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JVC LT-32C345C INSTRUCTION MANUAL

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Instruction Manual

32” HD-Ready LED TV with DVD

LT-32C345(C) / LT-32C346(C)

HD ready

DVD VIDEO

dts TruSurround

Freeview

DOLBY DIGITAL

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

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WE KNOWHOW TO HELP YOU WITH YOUR TV

We want you to be able to enjoy your new TV for many years. From getting it home and setting it up, to helping you get the most out of your new purchase. And in the unlikely event your TV lets you down, we can get it working again in no time.

Here are some of our TV services but if you want to know more look us up at www.knowhow.com or call us on: 0344 561 1234

TV SET UP & DEMO

We'll assemble the stand and connect your new TV to the existing equipment. We'll tune your TV so it's ready to watch. We'll also give you a demonstration of your new TV's functions.

TV WALLMOUNT & DEMO

We'll fix your TV to a suitable position on the wall and connect your existing equipment, so it's all ready to go. We'll use neat wire management so you don't have to look at any untidy cabling and to complete your fuss-free installation, we'll test and demonstrate your TV's functions.

FREESAT INSTALLATION

We'll set up the Freesat receiver and connect it to your existing dish, TV and cabling. We'll then tune in all available channels.

AERIAL INSTALLATION

We'll supply, install and align a new, high quality aerial and connect it to your Freeview receiver and TV. Then we'll scan and tune in all available digital channels.

HOME CINEMA OR SOUNDBAR INSTALLATION

We'll un-box, connect and set up your new and existing equipment. We'll then configure, calibrate and optimise the equipment. To avoid ugly trailing cables, we'll clip them to your skirting board, if you'd like us to. Then we'll give you a demonstration.

FAULT & FIX SERVICES

With our Fault & Fix services we can repair a wide range of products at our new state-of-the-art repair lab. This service is available for:

- Computer desktops
- Netbooks
- Laptops
- TVs

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Chapter 1

Safety Warnings

- Read all the instructions carefully before using the unit and keep them for future reference.
- Retain the manual. If you pass the unit onto a third party make sure to include this manual.
- Check that the voltage marked on the rating label matches your mains voltage.

Damage
- Please inspect the unit for damage after unpacking.
- Do not continue to operate the unit if you are in any doubt about it working normally, or if it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

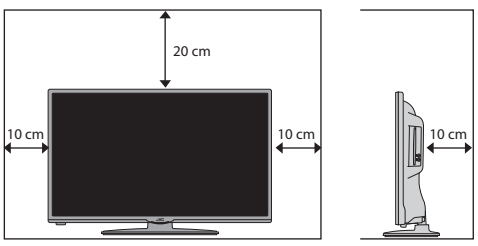
Location of Unit
- The unit must be placed on a flat stable surface and should not be subjected to vibrations.
- Do not place the unit on sloped or unstable surfaces as the unit may fall off or tip over.
- The mains socket must be located near the unit and should be easily accessible.
- This unit is designed for indoor, domestic use only.

Temperature
- Avoid extreme degrees of temperature, either hot or cold. Place the unit well away from heat sources such as radiators or gas / electric fires.
- Avoid exposure to direct sunlight and other sources of heat.

Naked Flames
- Never place any type of candle or naked flame on the top of or near the unit.

Moisture
- To reduce the risk of fire, electric shock or product damage, do not expose this unit to rain, moisture, dripping or splashing. No objects filled with liquids, such as vases, should be placed on the unit.
- If you spill any liquid into the unit, it can cause serious damage. Switch it off at the mains immediately. Withdraw the mains plug and consult your dealer.

Ventilation
- To prevent the risk of electric shock or fire hazard due to overheating, ensure that curtains and other materials do not obstruct the ventilation vents.
- Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.
- Make sure that there is a gap of at least 10 cm on both sides and a gap of 20 cm at the top.



Safety
- Always disconnect the unit from the mains supply before connecting / disconnecting other devices or moving the unit.
- Unplug the unit from the mains socket during a lightning storm.

Mains Cable
- Make sure the unit or unit stand is not resting on top of the mains cable, as the weight of the unit may damage the mains cable and create a safety hazard.
- If the mains cable is damaged it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

Interference
- Do not place the unit on or near appliances which may cause electromagnetic interference. If you do, it may adversely affect the operating performance of the unit, and cause a distorted picture or sound.

Optimum viewing
- View the unit in moderate light to prevent eye strain. It is recommended to watch the unit from a distance 3-7 times that of the screen height.

LCD screen
- The LCD screen is manufactured using high-precision technology. However, some tiny black points and / or bright points (red, blue or green in colour) may constantly appear on the LCD screen. These points are generated in the manufacturing process and are normal.

Screen Burn
- A characteristic of Plasma and TV Panels is that displaying the same image for a long time may cause a permanent after-image to remain on the screen. This is called screen burn. Most pictures shown on the unit will be constantly moving and fill the screen.
- Examples of images that you need to watch out for are as follows (this is not an all-inclusive list):
  1. **Black Bars:** If black bars appear at the left / right or top / bottom of the screen, it is recommended to change the format so that the picture fills the entire screen.
  2. **TV Channel Logos:** e.g. Shopping channel logos and pricing displays - especially if they are bright and stationary. Moving or low-contrast graphics are less likely to cause ageing of the screen.
  3. **Time Displays**
  4. **Teletext:** Do not view a stationary page for long periods of time.
  5. **TV Menus**
  6. **Pause Mode:** Do not leave the screen in pause mode for long periods of time, e.g. when watching videos.
- To prevent screen burn if viewing any of the above for long periods of time, reduce contrast and brightness when viewing. Once burn-in occurs it will never disappear completely.

Earphones
- Listening to loud sounds for prolonged periods of time may permanently damage your hearing.
- Before putting on earphones, turn the volume down then put the earphones on and slowly increase the volume until you reach a comfortable listening level.

Standby

- The ⏻ button on the remote control does not switch off the unit completely. The unit will continue to draw electricity from the mains supply while in standby. In the interests of safety and to avoid unnecessary energy consumption, never leave the unit in standby while unattended for long periods of time, e.g. overnight, while on holiday or while out of the house. Disconnect the mains plug from the mains socket.

Batteries

- Batteries used in the remote control for this unit are easily swallowed by young children and this is dangerous.
- Keep loose batteries away from young children and make sure that the battery holder tray is secure in the remote control. Seek medical advice if you believe a cell has been swallowed.
- Please dispose of batteries correctly by following the guidance in this manual.
- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Supervision

- Children should be supervised to ensure that they do not play with the unit and the remote control.
- Never let anyone especially children push anything into the holes, slots or any other openings in the case - this could result in a fatal electric shock.

DVD

- **Class 1 Laser Product**

  This unit utilises a laser. Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

- Before moving the unit, ensure the disc tray is empty.
- Always remove the disc when the unit is not in use.
- Failure to do so will risk severely damaging the disc and the unit.
- Do not stack devices, heat from other devices may affect the performance of the unit.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the unit's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the manual accompanying the unit.

Service

- To reduce the risk of electric shock, do not remove screws. The unit does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.
- Do not open any fixed covers as this may expose dangerous voltages.

Maintenance

- Ensure to unplug the unit from the mains socket before cleaning.
- Do not use any type of abrasive pad or abrasive cleaning solutions as these may damage the unit's surface.
- Do not use liquids to clean the unit.
- The wall socket plug is used as a disconnect device, the disconnect device should be readily accessible.
- ⧈ This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

To prevent the spread of fire, keep candles or other open flames away from this product at all times.

Preparation

Thank you for purchasing your new JVC TV.

Your new TV has many features and incorporates the latest technology to enhance your viewing experience. We recommend that you spend some time reading this instruction manual so that you fully understand these features. You will also find some hints and tips to help you resolve any issues.

Read all the safety instructions carefully before use and keep this instruction manual for future reference.

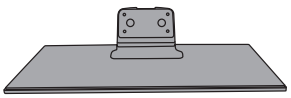
Unpacking the TV

Remove all packaging from the TV. Retain the packaging. If you dispose of it please do so according to local regulations.

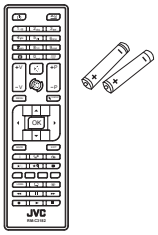
The following items are included:

TV

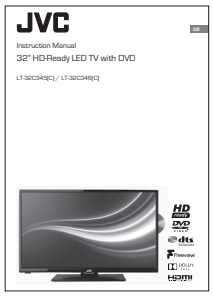
Stand screws x4



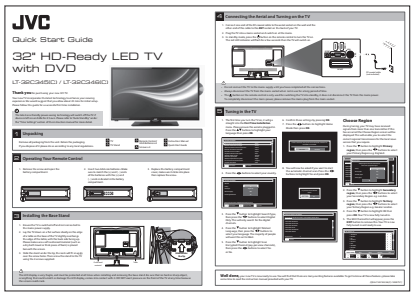
TV Stand



Remote Control /
AAA Batteries x 2



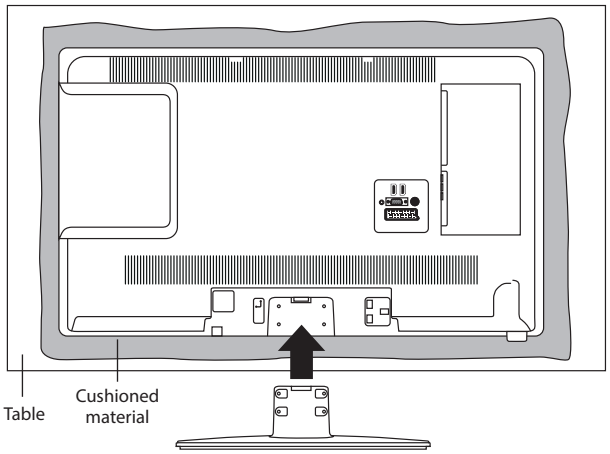
Instruction Manual

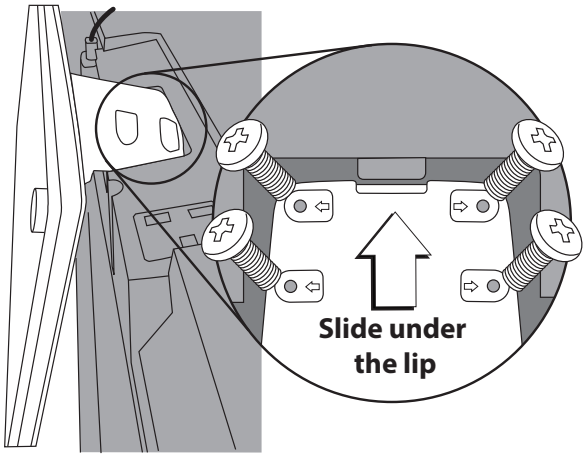


Quick Start Guide

Installing / Removing the Base Stand

The LCD display is very fragile, and must be protected at all times when installing and removing the base stand. Be sure that no hard or sharp object, or anything that could scratch or damage the LCD display, comes into contact with it. DO NOT exert pressure on the front of the TV at any time because the screen could crack.

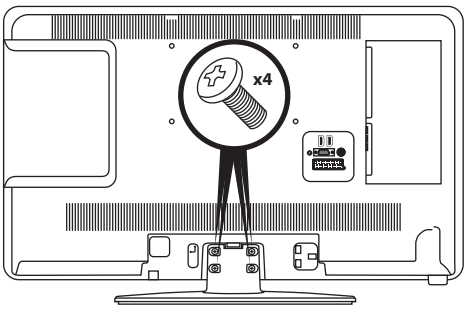




1. Ensure the TV is switched off and not connected to the mains power supply.
2. Lay the TV down on a flat surface ideally on the edge of a table so the base of the TV slightly overhangs the edge of the table, with the back side facing up. Please make sure a soft cushioned material (such as a dry bath towel or thick piece of foam) is placed beneath the screen.
3. Slide the stand under the lip, the neck will fit snugly over the screw holes. Then screw the stand to the TV using the 4 screws supplied.

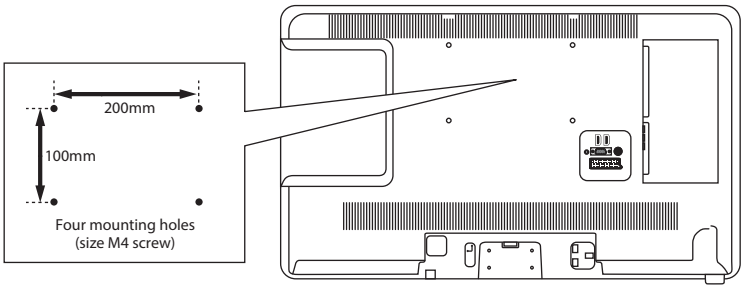
Mounting the TV to a Wall

Remove the stand assembly before mounting the TV onto the wall.



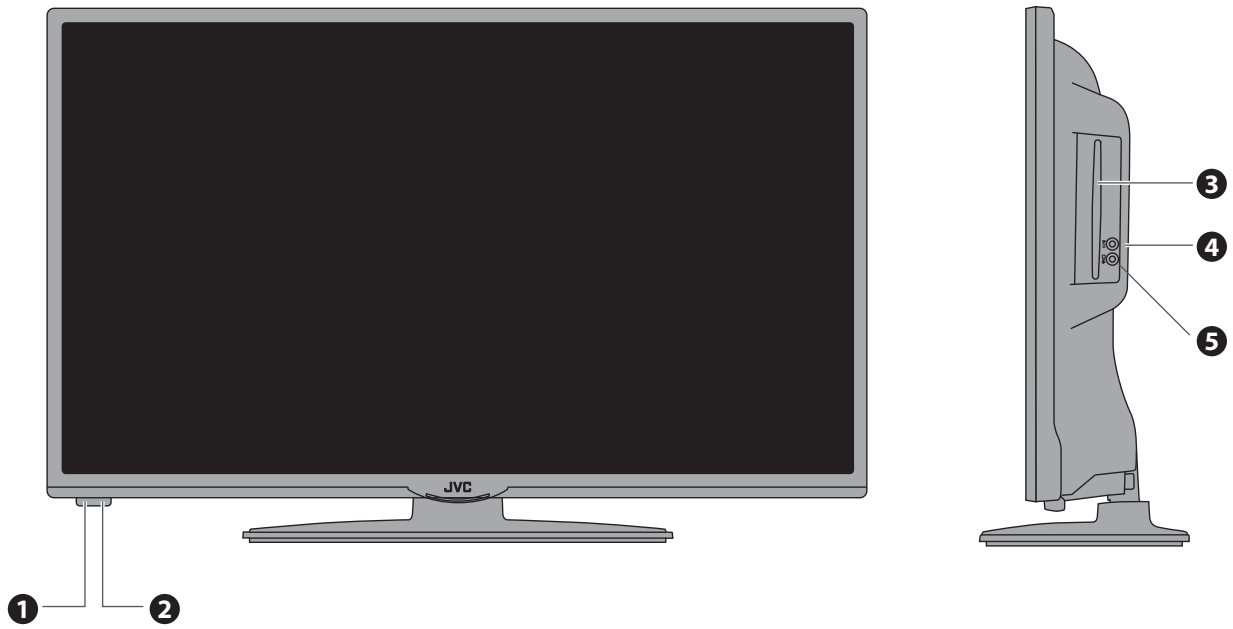
1. Press the button in the middle of the stand neck and gently pull the stand away from the TV.

2. This TV is designed to be wall-mounted with a standard 200 mm x 100 mm mounting kit (sold separately) designed for flat-panel TVs. Mount this TV according to the instructions included in the mounting kit. Due to space restrictions, we recommend that you make all connections before mounting on to the wall.



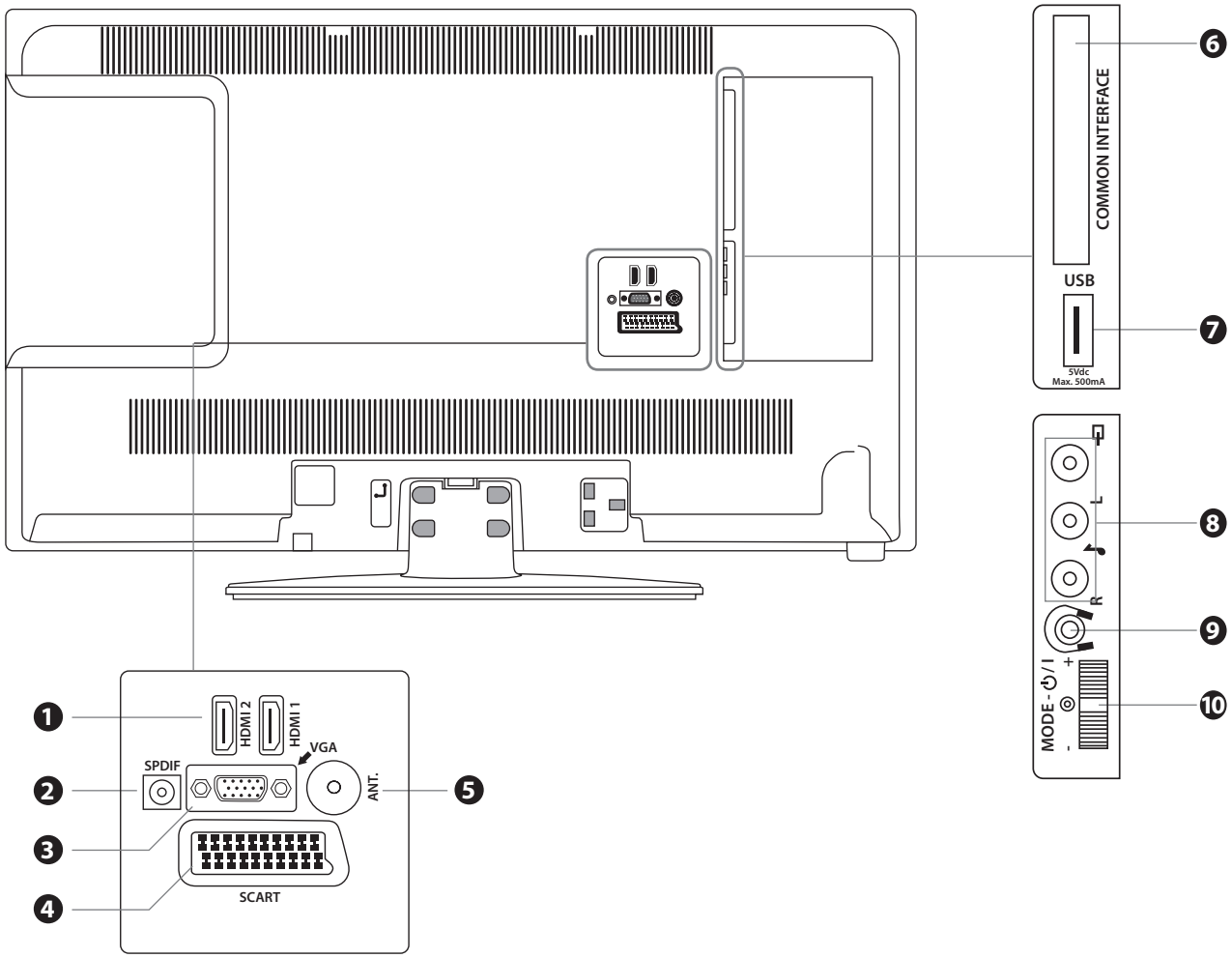
- If you are wall mounting your TV you may wish to buy a 90° HDMI adapter. This will help with your cable management.
- Please read this instruction manual carefully while setting up your TV.
- If you require additional assistance please call our Call Centre on (UK) **0344 561 1234 or** (Ireland) **1 890 818 575**. Our Customer Contact Centre is open 24/7.

Front / Right Side View and Controls



Item		Description
1	**POWER LED**	Illuminates when the TV is in standby mode. The LED will blink confirming that a timer recording programme has started in the standby mode.
2	**IR (Infrared Receiver)**	Receives IR signals from the remote control. Do not put anything near the sensor, as its function may be affected.
3	**Disc Slot**	Insert the disc with the label side facing the rear of the TV. (12 cm discs only. Don't insert 8 cm discs.)
4	▶II	Press to start playback or pause. (DVD mode)
5	■⏏	Press once to stop playback and leave in resume state. (DVD mode) Press twice to stop playback completely. (DVD mode) Press to eject disc. (DVD mode)

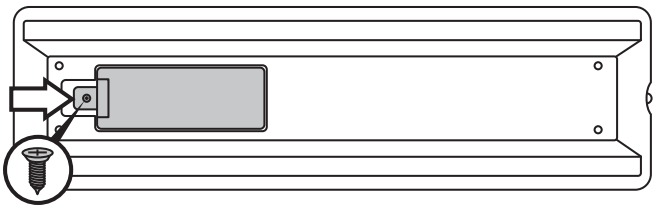
Rear View and Sockets



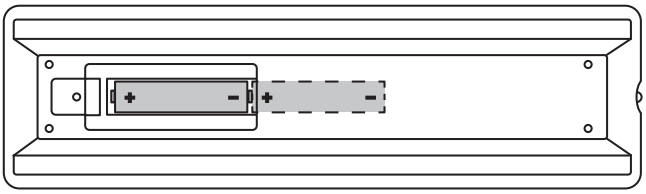
Item		Description
1	**HDMI 1 & 2**	Connects to a High-Definition (HD) signal output device, such as a set-top box, blu-ray disc player or AV receiver.
2	**SPDIF**	COAX audio out (Digital) - Connects to an audio device via a coax cable.
3	**VGA/YPbPr**	Connects to a computer or other devices with a VGA interface. The VGA input is also used for component input via a VGA to component cable (not supplied).
4	**SCART (S-Video)**	Connects to a VCR, DVD Player, or other AV device with a SCART output socket. Select SCART 1 (S-VIDEO) when connecting to a device using S-VIDEO.
5	**ANT**	Connects to the aerial socket on the wall with the RF coaxial cable.
6	**COMMON INTERFACE**	Allows the insertion of a Common Access Module.
7	**USB**	Allows the insertion of a USB storage device to play video, audio, photo and text files (USB mode) and record DTV programmes on to a USB storage device.
8	**CVBS/AUDIO IN (L/R)** **(audio L/R also used for YPbPr and VGA)**	Connects to the Composite VIDEO and AUDIO (L/R) output sockets on external video devices.
9	🎧	Connects to the headphones.
10	**MULTI FUNCTION SWITCH**	Switches the TV into standby and on. Selects modes (channel,volume, and source).

Installing Batteries in the Remote Control

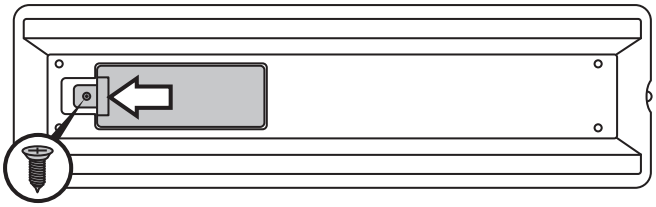
1. Remove the screw and open the battery compartment.



2. Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment.



3. Replace the battery compartment cover, make sure it clicks into place then replace the screw.



Handling the Batteries

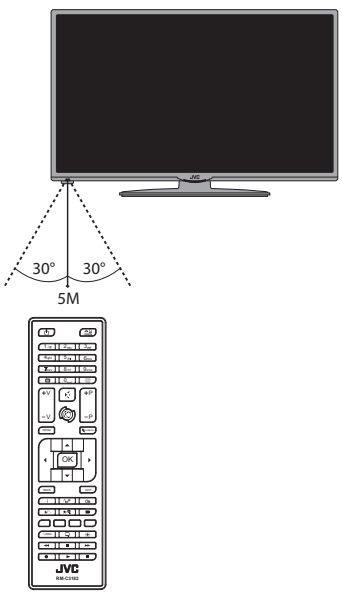
- Improper or incorrect use of batteries may cause corrosion or battery leakage, which could cause fire, personal injury or damage to property.
- Only use the battery type indicated in this manual.
- When the batteries are exhausted, the remote will not function. Replace both batteries at the same time with new ones.
- Do not install new batteries with used ones and do not mix different types of batteries.
- Do not dispose of used batteries as domestic waste. Dispose of them in accordance with local regulations.

Handling the Remote Control

- Take care of your fingernails when you press and hold the battery release tab.
- Do not drop or cause impact to the remote control.
- Do not spill water or any liquid on the remote control.
- Do not place the remote control on a wet object.
- Do not place the remote control under direct sunlight or near sources of excessive heat.
- Remove the battery from the remote control when not in use for a long period of time, as it could cause corrosion or battery leakage and may result in physical injury and/or property damage including fire.

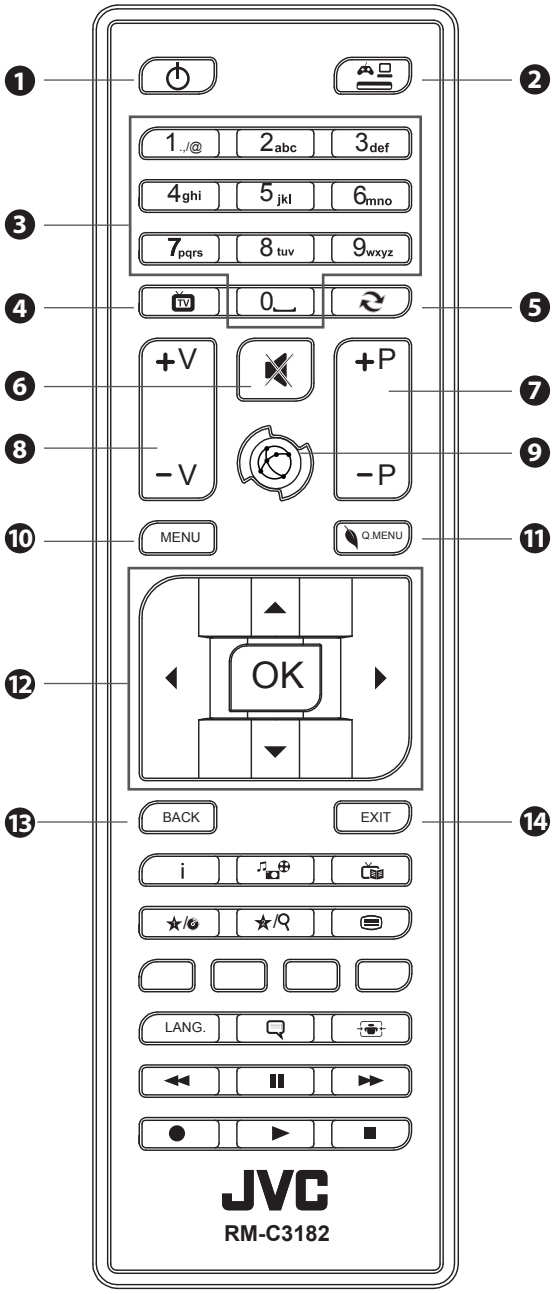
Remote Control Operation Range

Point the remote control at the TV no more than 5 metres from the remote control sensor on the TV and within 60° in front of the TV. The operating distance may vary depending on the brightness of the room.



Remote Control

1. ⏻
   Switch the TV between on and standby mode.
2. **SOURCE**
   Press to change the source you are viewing.
   TV - SCART 1 - SCART 1 (S-VIDEO) - SIDE AV - HDMI 1 - HDMI 2 - YPbPr - VGA/PC - DVD.
3. **0-9 Number Button**
   - Press to select a programme. (TV / RADIO mode)
   - Select numbered items in a menu. (DVD mode)
4. **TV**
   - Press to enter TV mode when viewing other sources.
   - Press to view the channel list when in TV mode.
5. **(Previous programme/source)**
   - Press to switch between the previous programme or source that was selected.
6. **(Mute)**
   Mute and restore the sound.
7. **P+ / P-**
   Press to select the next channel up or down the channel list.
8. **VOL + / –**
   Adjust the volume.
9.
   No function.
10. **MENU**
    Display the main menu.
11. **Q. MENU**
    Press the select the Settings menu.
12. **◀▲▼▶ / OK**
    - Allow you to navigate the OSD menus and adjust the system settings to your preference.
    - ◀ ▶ skip chapters in DVD mode.
    - Press OK to select or save a setting.
13. **BACK**
    Press to move backwards through menus.
14. **EXIT**
    Press to exit a menu.



15. i (info)
Press to see programme information in TV mode.

16. (Media Browser)
Press to enter the media browser menu, a hard drive will need to be attached to the USB port.

17. (Programme Guide)
Press to view the Programme Guide.

18.
Press to enter teletext if available.

19. (My Button 1)
- Press and hold for 5 seconds to set a favourite channel/ source.
- Selects the Title Elapsed menu in DVD mode.
- Selects the DVD setup menus in DVD mode.

20. (My Button 2)
- Selects the Channel Network Type menu in TV mode.
- Press and hold for 5 seconds to set a favourite channel/ source, this will then remove the Channel Network Type menu.
- Selects the Title and Chapter menus in DVD mode.

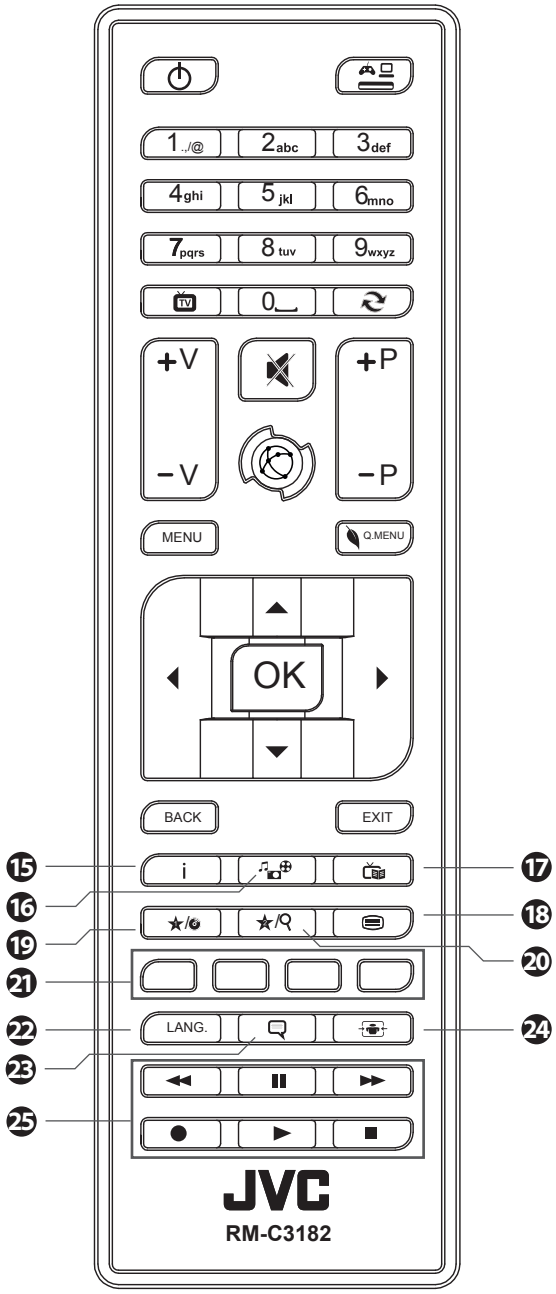
21. COLOURED BUTTONS
Access the TELETEXT items (TV mode) or menu options.
ZOOM (RED)
To zoom in and out of the picture in DVD mode.
REPEAT (GREEN)
Repeat Chapter, Title or All in DVD mode.
DVD FILM MENU (YELLOW)
Select the Root menu of the DVD playing (DVD mode).

22. LANG.
Selects the Current Language menu.

23. (Subtitles)
Press to switch subtitles on and off.

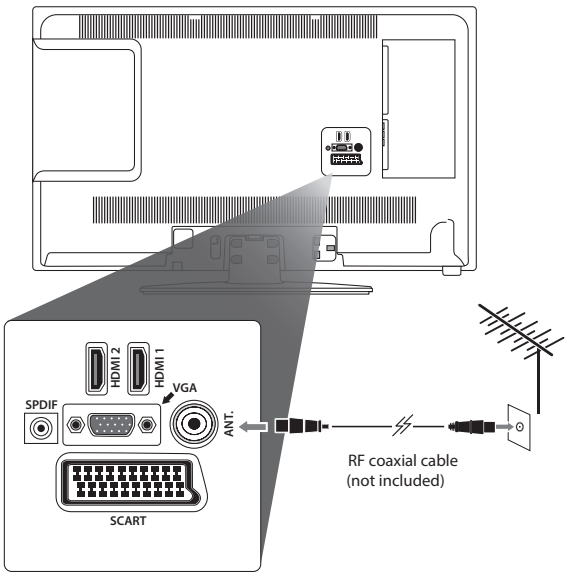
24. (Aspect ratio)
Press to adjust the aspect ratio of the picture.
AUTO - 16:9 - Subtitle - 14:9 - 14:9 Zoom - 4:3 - Cinema.

25. PLAYBACK and RECORD buttons
- ◄◄ ►► searches forwards and backwards when viewing a DVD or recording.
- ▮▮ pauses a DVD or recording and starts timeshifting in TV mode if you have a hard drive attached to the USB port.
- ► plays a DVD or recording.
  Selects DVD mode when in any other source.
- ■ stops a DVD or recording.
- ● starts a recording, continue to press will add more recordings.



Turning the TV On for the First Time

1. Connect one end of the RF coaxial cable to the aerial socket on the wall and the other end of the cable to the **ANT** socket on the back of your TV.

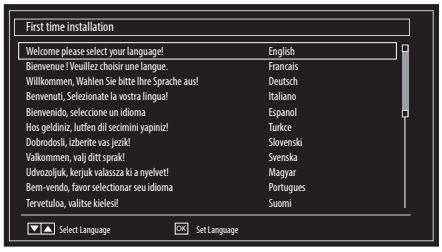


Do not connect the TV to the mains supply until you have completed all the connections.

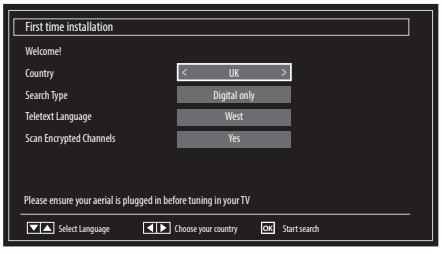
2. Plug the TV into a mains socket and switch on at the mains.
3. In standby mode, press the ⏻ button on the remote control to turn the TV on. The LED indicator will flash for a few seconds then the TV will switch on.

- Always disconnect the TV from the mains socket when not in use for a long period of time.
- The ⏻ button on the remote control is only used for switching the TV into standby, it does not disconnect the TV from the mains power. To completely disconnect the mains power, please remove the mains plug from the mains socket.

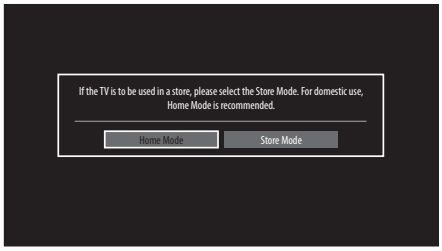
4. The first time you turn the TV on, it will go straight into the **First Time Installation** menu. Please ensure the aerial is plugged in.
Press the ▲▼ buttons to highlight your language then press **OK**.


First time installation
Welcome please select your language! English
Bienvenue ! Veuillez choisir une langue. Francais
Willkommen, Wahlen Sie bitte Ihre Sprache aus! Deutsch
Benvenuti, Selezionate la vostra lingua! Italiano
Bienvenido, seleccione un idioma Espanol
Hos geldiniz, lutfen dil secimini yapiniz! Turkce
Dobrodosli, izberite vas jezik! Slovenski
Valkommen, valj ditt sprak! Svenska
Udvozoljuk, kerjuk valassza ki a nyelvet! Magyar
Bem-vendo, favor selectionar seu idioma Portugues
Tervetuloa, valitse kielesi! Suomi
Select Language
OK Set Language

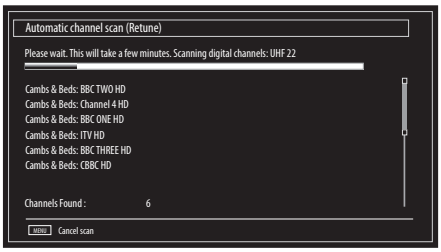
5. Press the ◀▶ buttons to select your country.
6. Press the ▼ button to highlight Search Type, then press the ◀▶ buttons to select Digital Only. This will only search for the digital channels.
7. Press the ▼ button to highlight Teletext Language, then press the ◀▶ buttons to select your language. The majority of people will want this set to West.
8. Press the ▼ button to highlight Scan Encrypted (pay-per-view) Channel, then press the ◀▶ buttons to select Yes or No.
9. Confirm these settings by pressing OK.



10. Press the ◀▶ buttons to highlight Home Mode then press **OK**.

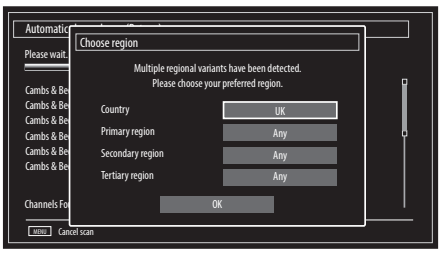

If the TV is to be used in a store, please select the Store Mode. For domestic use, Home Mode is recommended.
Home Mode
Store Mode

11. You will now be asked if you want to start the automatic channel scan. Press the ◀▶ buttons to highlight Yes and press **OK**.


Automatic channel scan (Retune)
Please wait. This will take a few minutes. Scanning digital channels: UHF 22
Cambs & Beds: BBC TWO HD
Cambs & Beds: Channel 4 HD
Cambs & Beds: BBC ONE HD
Cambs & Beds: ITV HD
Cambs & Beds: BBC THREE HD
Cambs & Beds: CBBC HD
Channels Found : 6
MENU Cancel scan

Choose Region

During tuning, your TV may have received signals from more than one transmitter. If this has occurred the Choose Region screen will be displayed. This will enable you to select the correct regional transmission for the local news service that you require.

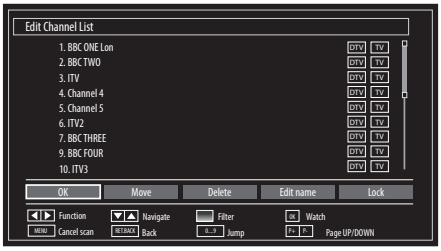


- Press the ▼ button to highlight **Primary region**, then press the ◀▶ buttons to select your Primary Region e.g. England.
- Press the ▼ button to highlight **Secondary region**, then press the ◀▶ buttons to select your Secondary Region e.g. London.
- Press the ▼ button to highlight **Tertiary region**, then press the ◀▶ buttons to select your Tertiary Region e.g. Greater London.
- Press the ▼ button to highlight OK then press **OK**.

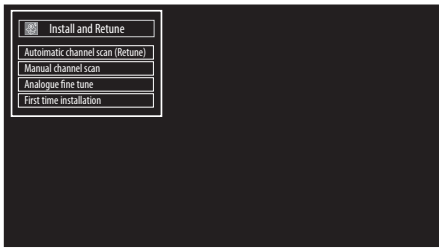
Your TV is now fully tuned in.

Country Code	This will be shown as UK.
Primary Region	This will show the regional country (England, Wales, Scotland, NI).
Secondary Region	This will allow you to set the region for your local news service on BBC and ITV (London, Beds and Cambs etc).
Tertiary Region	You may receive signals from more than one transmitter within the Secondary Region, (e.g Beds and Cambs may have Luton or Sandy Heath).

The Edit Channel list will appear, press the **EXIT** button to remove this. Your TV is now fully tuned in and ready to use.

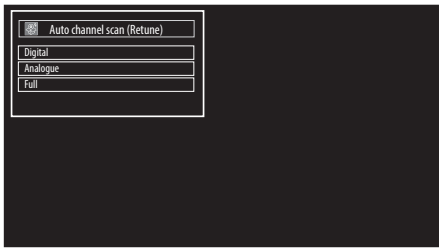


Connecting an Analogue Device



If you have connected an analogue device such as a video recorder via the aerial socket on your TV you will have to tune it in using **Analogue** mode. Ensure the device is switched on before you start the tuning process.

1. Press the **MENU** button, press the ◀▶ buttons to select INSTALL AND RETUNE and press **OK**.
2. Select AUTOMATIC CHANNEL SCAN (RETUNE) and press **OK**.
3. Press the ▲▼ buttons to select ANALOGUE and press **OK**.
4. Press the ◀▶ buttons to select YES then press **OK**. The search will automatically start, this will not delete your Digital channels, so don't worry!
5. When the search has finished the EDIT CHANNEL LIST will appear. Your analogue channel will be at the end of the channel list.



Channel Selection

- Press the **P + / –** buttons on the remote control repeatedly or the **0-9** buttons to select the channel.

Alternative

Press the **OK** button to enter the **Channel List**. Then use the ▲▼ buttons to highlight and select the channel. Press the **OK** button to view the selected channel.

OR

Press the i (info) button then the ▲▼ buttons to search for a channel you wish to watch then press **OK**.

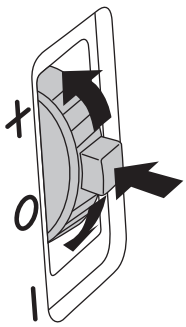
- If a locked channel is selected, the password screen will be displayed. Press the **0-9** buttons to enter the password, the channel will then be unlocked (refer to **Locking Channel** for details).
- Press the ↻ button to return to the previously viewed channel.

Display Channel Information

- Press the **INFO** button to view the current information.

Volume Adjustment

- Press the **V +** or **–** button on the remote control or rotate the multi-function switch up or down on the back of the TV.
- If you wish to switch the sound off, press the 🔇 button. Press the 🔇 button again or the **VOL +** or **–** button to resume listening.



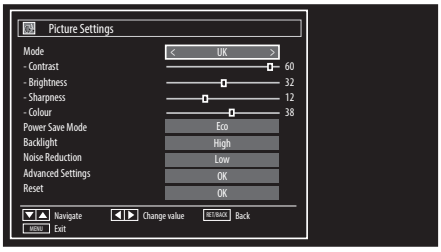
Adjusting the Picture Settings

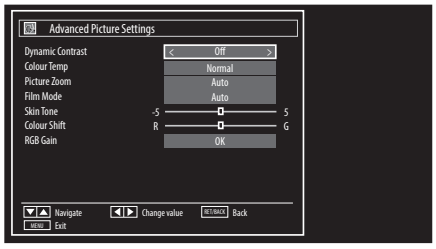
Allows you to set your preferred picture mode.

1. Press the **MENU** button and then press the ◀▶ buttons to select the **PICTURE** and then press the **OK** button.

2. Press the ▲▼ buttons to select the following picture options and then press the **OK** button.

- Press the ◀▶ buttons to adjust the levels in the menus.



Picture Mode	Your TV has some pre-set picture modes: Dynamic - Natural - Cinema - Game. The default setting is Standard. You can also manually adjust each mode.		
Contrast	Adjusts the difference between light and dark levels in the picture.		
Brightness	Increases or decreases the picture brightness.		
Sharpness	Adjusts the level of crispness in the edges between light and dark areas of the picture.		
Colour	Controls the colour intensity.		
Power Save Mode	The power save mode can be switched off (Disabled), to Eco or to screen off. Adjusting this setting will reduce the power consumption of your TV.		
Backlight	Adjusts the backlight setting. Low - Medium - High - Auto.		
Noise Reduction	Reduces the noise level of the connected device: Off / Low / Middle / High.		
Advanced Picture Settings	Select to have more advanced adjustments to your TVs picture.		
	Dynamic Contrast	Adjusts the contrast to pre-set levels. OFF - LOW - MEDIUM -HIGH	
	Colour Temp	Adjusts the colour temperature. NORMAL - WARM - COOL	
	Picture Zoom	Adjusts the aspect ration of the picture. AUTO - 16:9 - SUBTITLE - 14:9 - 14:9 Zoom - 4:3 - CINEMA.	
	Film Mode	Film mode can be switched to AUTO or OFF. Auto mode will adjust the frame rate to produce the clearest motion.	
	Skin Tone	Adjusts the skin tone from -5 to 5.	
	Colour Shift	Adjusts the colour tint from red to green.	
	RGB Gain	Press to adjust the Red, Green and Blue colour in the picture.	

3. Press the **BACK** button to return to the previous menu.

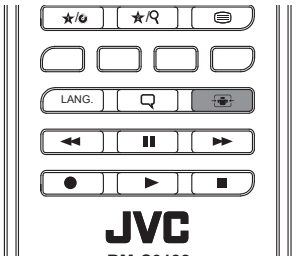
4. Press the **EXIT** button to exit the menu.

Aspect Ratio

Allows you to watch the screen in various picture formats: Auto / 16:9 / Subtitle / 14:9 / 14:9 Zoom / 4:3 / Cinema.
The default setting is AUTO.

1. Press the button to scroll through the aspect rations.
   The aspect Ratio can also be adjusted in the PICTURE ZOOM section of the Advanced Picture settings menu.

Simply adjust the aspect ratio until you see a picture format you are happy with. This may need to be adjusted when viewing a 4:3 transmission, if you want to fill the screen.

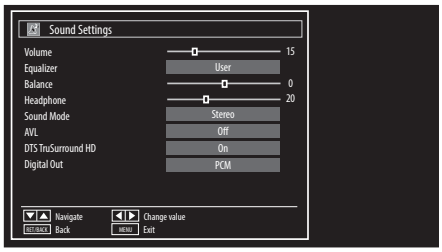


Adjusting the Sound Settings

Allows you to adjust the sound settings on your TV.

1. Press the **MENU** button and then press the ◀▶ buttons to select **SOUND** and then press the **OK** button.

2. Press the ▲▼ buttons to select the following sound options and then press the **OK** button to select or press the ◀▶ buttons to adjust each option's setting.



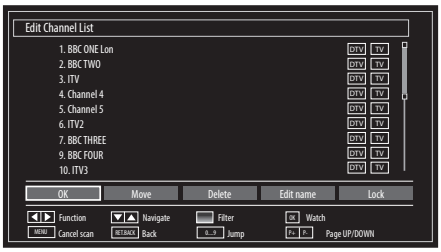
Volume	Adjusts the volume level.
Equalizer	Selects pre-set equalizer modes. Highlight the equalizer mode then press **OK** to enter the EQUALIZER SETTINGS menu. The equalizer modes are: MOVIE - SPEECH - FLAT - CLASSIC - USER - MUSIC.
Balance	Adjusts the sound level from the left and right speakers.
Headphone	Adjusts the volume level when listening to the TV with headphones. To prevent damaging your hearing set the volume level low and gradually increase the level until you're happy.
Sound Mode	Selects the sound modes. STEREO - DUAL I - DUAL II.
AVL (Automatic volume limiting)	AVL will set the sound level so that its the same across all programmes. So when you change channels the sound level won't change. Set AVL to ON or OFF.
DTS TruSurround HD	Surround Sound can be switched ON or OFF. When switched on you will hear a more spacious sound, to make you feel more immersed in the action on your TV.
Digital Out	Sets the digital audio out type to PCM or COMPRESSED.

3. Press the **BACK** button to return to the previous menu.
4. Press the **EXIT** button to exit the menu.

Editing the Channel List

You can move, delete, edit the name of or lock channels in the EDIT CHANNEL LIST menu.

1. Press the **MENU** button and then press the ◀▶ buttons to select **Channel List** and then press the **OK** button.
2. Press the ▲▼ buttons to select EDIT CHANNEL LIST then press the **OK** button.



Move	**1.** Press the ▲▼ buttons to select the channel that you wish to move. **2.** Press the ◀▶ buttons to select MOVE then press **OK**. **3.** Press the **NUMBER** buttons to enter the channel number that you want to move the channel to, then press **OK**. **4.** Select YES and press **OK**. The channel will now have moved positions in the channel list.
Delete	**1.** Press the ▲▼ buttons to select the channel that you wish to delete. **2.** Press the ◀▶ buttons to select DELETE then press **OK**. **3.** Select YES and press **OK**. The channel will be deleted. To get the channel back you will need to tune your TV in again.
Edit name	**1.** Press the ▲▼ buttons to select the channel that you wish to change the name of. **2.** Press the ◀▶ buttons to select EDIT NAME then press **OK**. **3.** Press the **NUMBER** buttons and ◀▶ buttons to enter the new name of the channel, then press **OK**.
Lock	**1.** Press the ▲▼ buttons to select the channel that you wish to lock. **2.** Press the ◀▶ buttons to select LOCK then press **OK**. **3.** Press the **NUMBER** buttons to enter your PIN number. The lock symbol will appear next to the channel. To view the locked channel you will now have to enter your PIN number.

Creating a Favourite Channel List

You can select your favourite channel that you watch the most and create a channel list of just your favourites.

1. Press the **MENU** button and then press the ◀▶ buttons to select **Channel List** and then press the **OK** button.
2. Press the ▲▼ buttons to select FAVOURITES then press the **OK** button.
3. Press the ▲▼ buttons to select a channel you wish to add to the list then press the **OK** button. A pink star will appear next to the channel. Select as many channels as you like.

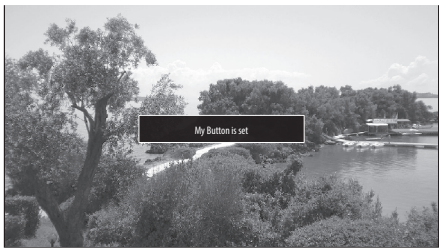
Activate your favourite channel list

1. Press the **MENU** button and then press the ◀▶ buttons to select **Channel List** and then press the **OK** button.
2. Press the ▲▼ buttons to select ACTIVE CHANNEL LIST then press the **OK** button.
3. Press the ▲▼ buttons to select FAVOURITES then press the **OK** button. A tick will appear next to favourites.
4. Exit the menu and press the **OK** button. You will now see your Favourite channel list.
5. If you want to go back to the full list of channels go back into the ACTIVE CHANNEL LIST and select SHOW ALL.

Saving a Channel/Source to the My Buttons (★/ , ★/)

You can save your favourite TV channel or source to both of the My Buttons.

1. Select the channel or source that you want to save to the My Button.
2. Press are hold ★/ or ★/ for 5 seconds. The message 'My Button Set' will appear on the screen when the channel/ source is stored.



- When you set the ★/ button the Channel Network Type menu will disappear. These settings can still be found in the channel list.
- If you perform a first time installation at any time the My Buttons will be reset to youtube for button 1 and Channel Network type for button 2.

Programme Guide

This system has a Programme Guide to help you navigate through all the possible viewing options.

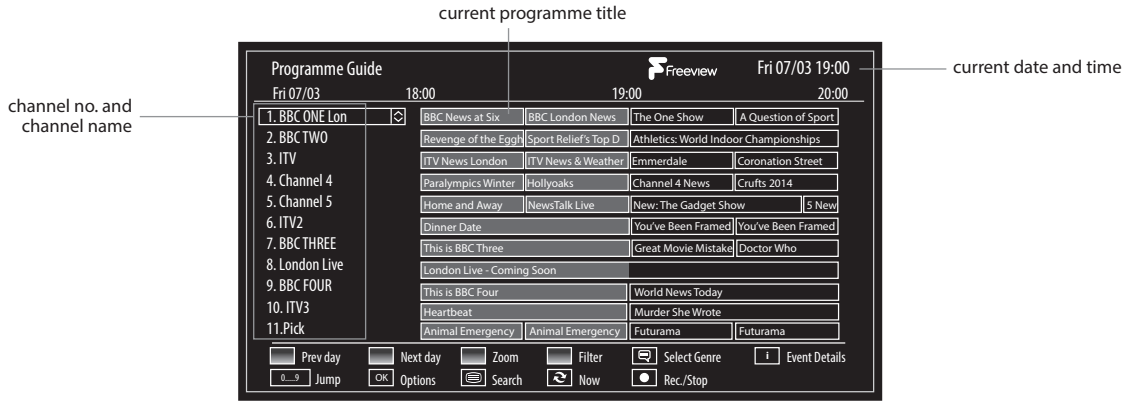
The Programme Guide supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the Programme Guide (the availability and amount of programme information will vary, depending on the particular broadcaster).

This function can be used only when the Programme Guide information is broadcast by broadcasting companies.

The Programme Guide displays the programme details for the next 7 days.

Switch On / Off Programme Guide

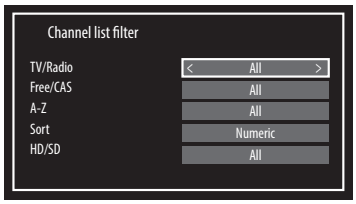
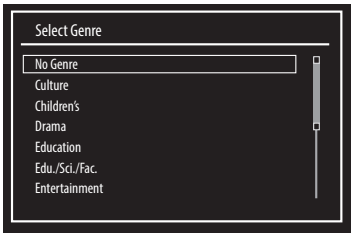
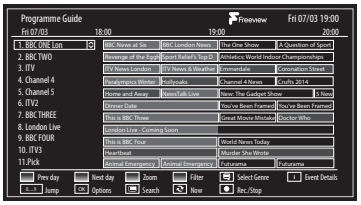
1. Press the button to view the Programme Guide.
2. Press the button or the **EXIT** button again to switch off Programme Guide and return to normal TV viewing.

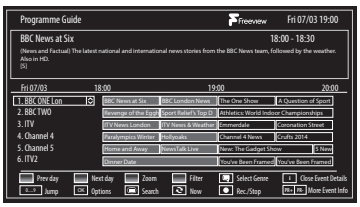
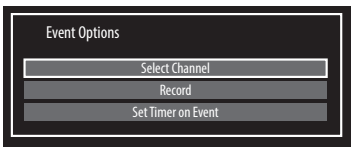
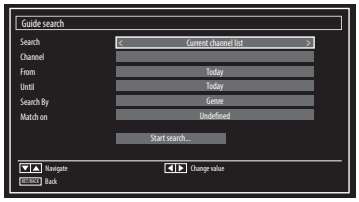
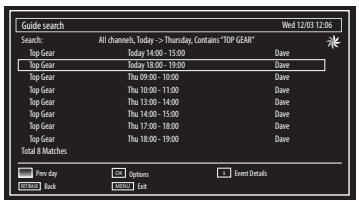


Select a Programme

Press the ▲▼ buttons to select the desired channel and then press the ◀▶ buttons to select the desired programme. Press the **OK** button to confirm.

Button Functions in a 7-Days Guide

Remote Control Button	Function
RED (Previous Day)	**Press the RED button to view the previous days programmes.**
GREEN (Next Day)	**Press the GREEN button to view the next days programmes. Up to 7 days.**
YELLOW (Zoom)	Press the **YELLOW** button to condense the programme information so you can see more programmes for your selected day.
BLUE (Filter)	Press the **BLUE** button to select the CHANNEL LIST FILTER. Here you can filter the Programme Guide to make it easier to find your programmes. • **TV/Radio** - Filter ALL - TV ONLY - RADIO ONLY - TEXT ONLY. • **Free/CAS** - Filter ALL - FREE - ENCRYPTED • **A-Z** - Filter using the first letter of the programme A - B - C... • **Sort** - Filter NUMERIC or ALPHABETIC • **HD/SD** - Filter for High Definition or Standard Definition. 
(Select Genre)	• Press the button to select a Genre. Once a Genre is selected the programmes in that Genre will be highlighted in grey. Press the ▲▼ until you see the highlighted programmes.  Example of Drama selected. 

i (information)	Press **i** to see a brief description of the selected programme. 
0....9 (Jump)	Press the number buttons to jump to that channel number or the nearest number in the list.
OK (Options)	When a programme is highlighted press the OK button to see the EVENT OPTIONS menu. • **Select Channel** - Select this option to view the selected programme. • **Record** - Select this option to set the selected programme to automatically record. The programme will be highlighted in red to show a recording is set. • **Set Timer on Event** - Select this option to set the selected programme to switch on when the programme starts. The programme will be highlighted in yellow to show a 'timer on event' is set.  Not all of the event options may be available, it depends if a programme has started and it a USB storage device is connected.
(Search)	Press the button to enter the GUIDE SEARCH menu. Use this menu to search the Programme Guide for a specific programme or type of programme on a particular day. • **Search** - This is the field that you wish to search though. Select ALL CHANNELS - ALL TV CHANNELS - ALL RADIO CHANNELS - CURRENT CHANNEL LIST - SINGLE CHANNEL. • **Channel** - If you have selected SINGLE CHANNEL you can now select the channel you wish to search. • **From** - Select the day you want to search from. To select from your current day select TODAY. • **Until** - Select the day you want to search until. Make sure this day is after the 'FROM' day. • **Search By** - Select GENRE to search by genre or select NAME MATCH to manually type in the name of the programme you are searching for. • **Match on** - If you selected GENRE above, press OK to open the SELECT GENRE menu. If you selected NAME MATCH above then press the NUMBER buttons to enter the name of the programme you are searching for. • **Start search** - Select START SEARCH and then press **OK** to start searching. A list of search results will appear on screen, this may take a few seconds to generate.  **Search Results** 
(Now)	Press the button to automatically go back to the programme that is on now.
● (Record/Stop)	Press the ● button to record the selected programme, to show a recording is set it will be highlighted red. To remove the record function, highlight the programme then press ●.

Time Shift Recording onto a USB Storage Device

This function allows you to pause live TV. The picture will pause and the programme will begin recording so you don't miss any of the programme. You will have to have a USB storage device attached to the USB socket for Time Shift Recording to work.

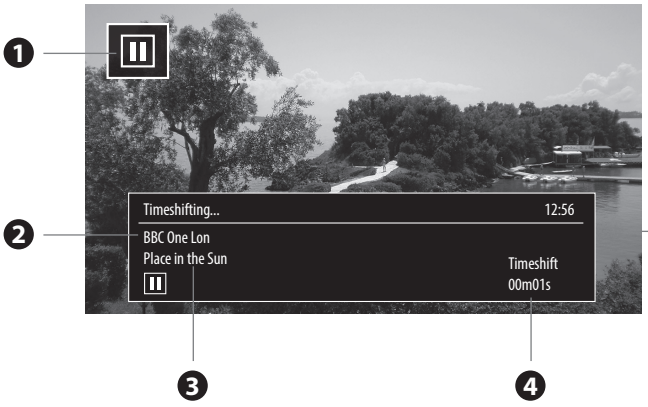
- Time Shift Mode and Recording functions may not work if the signal strength is weak.
- Stop the time shift function before switching to another input source.

If the transfer rate of the USB storage device is too slow for recording or time shift function, a warning statement will be shown on the screen. If this happens, please upgrade your USB storage device. The minimum transfer speed is 5MB/s.

While watching your TV, you may press the ⏸ button to pause the live programme if you want to go out for a while (e.g. going to the bathroom / kitchen). "⏸" will show on the screen.

When you have returned, press the ▶ (PLAY) button to play the missed broadcast programme. "▶" will briefly show on the screen.

The video and sound may have a little bit of delay or be out-of-sync for a few seconds when the unit starts to playback the missed programme. It will soon turn to normal.



The 'PVR Time Shift Progress Bar'

1. Indicates the status of the currently displayed video (▶ / ⏸ / ◀◀ / ▶▶)
2. Channel name being recorded.
3. Programme name being recorded.
4. Indicates the amount of time recorded.

Using the Remote Control

You can shift playback to any point of the virtually recorded programme.

◀◀ or ▶▶	When playing, • Press the ▶▶ button repeatedly to speed up - x 2 / x 4 / x 8 / x 16 / x 32. • During fast forward press the ▶ (PLAY) button to return to normal playback. When paused • Press the ▶▶ button repeatedly to view in slow motion - x 1/4 / x 1/2 / x 1 (normal playback).
⏸	• During playback, press the ⏸ button to display a still screen and then press the ⏸ button again or the ▶ (PLAY) button to resume playback.
OK	When timeshifting press the **OK** button to play or pause the recording.
■	If you want to exit timeshifting, press the ■ button.

Recording DTV Programmes onto a USB Storage Device

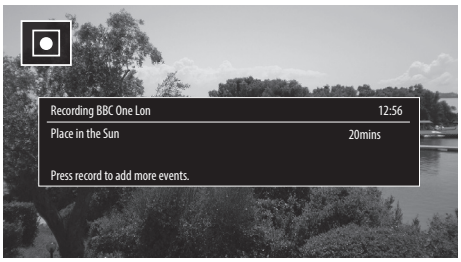
Use this function to record the DTV programme you are watching on the main screen and save it for future viewing.

The recording from timer programme or direct recording may have a little bit of delay when it starts to record the broadcast programme.

Please make sure the USB device is inserted. If not, a warning message will pop up. You can only record the programme that you are currently watching.

---

1. Press the ● button to record the programme that you are currently watching.



The recording screen will briefly appear. It will display the channel and programme name and the minutes of that programme left.

2. If you want to record the next programme on the selected channel press the ● button again and the next programme will be added. This will only work while the recording screen is still on the screen.

3. To stop a recording press the ■ button, then select YES and press **OK**.

Recording will stop automatically when the disk is full.

You can turn off the TV while recording. Press the ⏻ button. The standby indicator light will flash to show the TV is still recording.

Timer Programming

This function is used to perform scheduled recordings or timers (will switch the programme on when it starts).

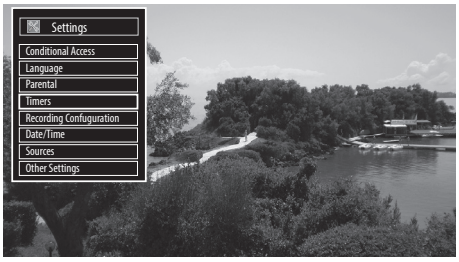
The recording from timers or direct recording may have a little bit of delay when it starts to record the broadcast programme.

Please make sure the USB device is inserted. If not, a warning message will pop up.

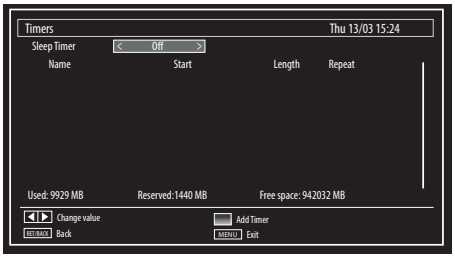
---

1. Press the **MENU** button then press the ◀▶ buttons to select SETTINGS and press **OK**.

2. Press the ▲▼ to highlight TIMERS then press **OK**.

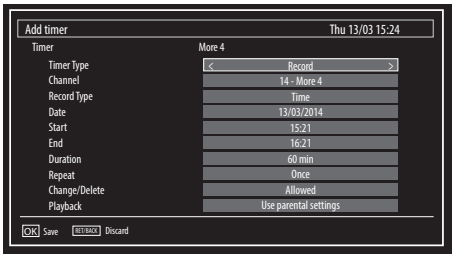


3. Press the **YELLOW** button to add a timer. The ADD TIMER menu will be displayed.



4. **Adding the timer**
Press the ▲▼ to select each setting below.

Timer Type	Press the ◀▶ buttons to select RECORD or TIMER. RECORD - Will record a programme TIMER - Will automatically switch to the selected programme when it starts.
Channel	Press the ◀▶ buttons to select the channel.
Record Type	Not adjustable.
Date	Press the ◀▶ buttons and the NUMBER buttons to set the date.
Start	Press the ◀▶ buttons and the NUMBER buttons to set the start time.
End	Press the ◀▶ buttons and the NUMBER buttons to set the end time.
Duration	Set automatically.
Repeat	Press the ◀▶ buttons to set the recording to record ONCE - DAILY - WEEKLY or just WEEKDAYS.
Change/Delete	Press the ◀▶ buttons to select ALLOWED or DISALLOWED ALLOWED - You allow anyone to change or delete the recording. DISALLOWED - You will have to enter the PIN code to change or delete the recording.
Playback	Press the ◀▶ buttons to select USE PARENTAL SETTINGS, DISALLOWED or ALLOWED. You will need to enter the PIN number if you want to play a recording when you select 'use parental settings and disallowed'.



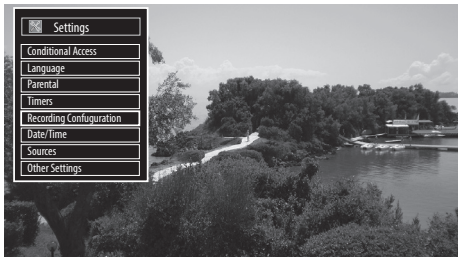
- When the preset time is reached, the TV will start recording automatically.
- If a programme recording starts when the TV is in standby mode, the LED indicator will flash.

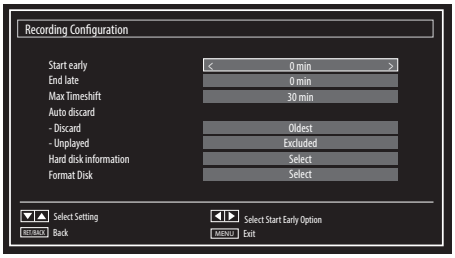
Recording Configuration

The recording configuration menu allows you to adjust the recording setting. You can add time to the start and end of each recording and set and maximum recording time for timeshifting.

You can also select how you want your TV to automatically delete your recordings so you won't run out of space on your USB storage device.

1. Press the **MENU** button then press the ◀▶ buttons to select SETTINGS and press **OK**.
2. Press the ▲▼ to highlight RECORDING CONFIGURATION then press **OK**. The Recording configuration menu will be displayed.
3. Press the ▲▼ to select each setting below.





Start early	Press the ◀▶ buttons to select an amount of time you would like the recording to start before the programme starts (max 10 mins).
End late	Press the ◀▶ buttons to select an amount of time you would like the recording to end after the programme finishes (max 10 mins).
Max Timeshift	Press the ◀▶ buttons to select a maximum amount of time you would like the timeshift recording to record (from 10 mins to 2 hours).
Auto discard - Discard	Press the ◀▶ buttons to select the recording that you want to automatically delete when the USB storage device is full. NONE - OLDEST - LONGEST - SHORTEST
Auto discard - Unplayed	Press the ◀▶ buttons to select to delete the played or unplayed recordings.
Hard disk information	Select to see the Hard disk information.
Format Disk	Select to format the USB storage device, you will need to enter your PIN number. Any previous recordings will be deleted.

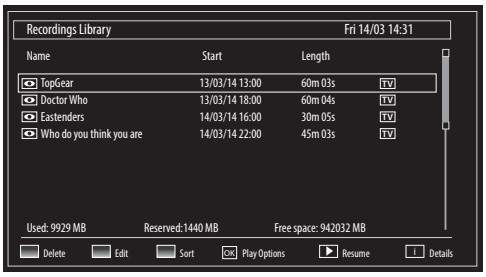
Playing Recorded Programmes

All of your recording are stored in the Media Browser, in the

1. Press the **MENU** button, then press the ◀▶ buttons to select MEDIA BROWSER then press **OK**.

2. Press the ◀▶ buttons to select RECORDINGS LIBRARY then press **OK**.

3. The RECORDING LIBRARY menu will be displayed. Press the ▲▼ buttons to select the recording that the want to watch then press ▶ (PLAY).



Recordings Library Controls

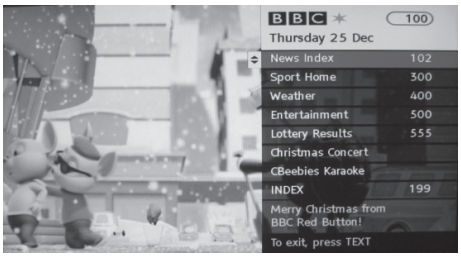
RED button (Delete)	• Press the ▲▼ buttons to select the recording that you wish to delete then press the **RED** button. You will be asked if you want to delete the recording, select YES then press **OK**.
GREEN button (Edit)	• To edit the recording permissions press the **GREEN** button. You can allow or disallow the recording to be deleted or played back.
BLUE button (Sort)	• Press the **BLUE** button to see the SORT BY menu. Press the ▲▼ buttons to select your sorting option then press **OK**. NAME - NAME, REVERSED - START, OLDEST FIRST - START, NEWEST FIRST - LENGTH, SHORTEST FIRST - LENGTH, LONGEST FIRST - UNVIEWED FIRST - VIEWED FIRST.
OK (Play Options)	• Press the ▲▼ buttons to select the recording that you wish to play then press **OK**. The PLAY OPTIONS menu will be displayed. PLAY FROM START - This option will play the recording from the start. RESUME - This option with play the recording from the point you last watched the recording. PLAY FROM OFFSET - This option allows you to select a start point into the recording.
▶ (Play)	Press the ▶ (play) button to play the recording.
i	Press the i button to see information about the recorded programme.

Digital Teletext (DTV Mode)

Digital teletext can access special digital teletext services and specific services which broadcast digital teletext. You will need to turn off **Subtitle Function** before using teletext (refer to page 35 for details).

Teletext within Digital Service

1. In DTV mode press the button to display teletext page.
2. Follow the instructions on digital teletext page and move around the page by pressing ▲◀▶▼ , **OK**, **RED**, **GREEN**, **YELLOW**, **BLUE** or **0-9** buttons etc.



To change digital teletext services, you will need to exit the current text service and change channels. Then enter the text service on the newly selected channel.

Alternative

You may press the **RED** button to display the teletext information when you see a red "press ●" logo in the top right corner of the screen (e.g. BBC services). This will now display the teletext menu and available information categories.

To access the pages, use navigation buttons to highlight item required and press the **OK** button to select.

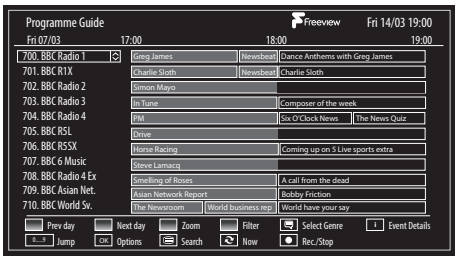
Follow on screen prompts for other functions.

3. Press the button to exit.

Listening to the Radio

You can listen to radio stations through your TV.

1. Press the button to select the PROGRAMME GUIDE.
2. Press the **BLUE** button to select the filter.
3. Press the ◀▶ buttons to select RADIO ONLY then press **OK**.
4. Press the ▲▼ buttons to select your desired radio station then press **OK** to listen to it.



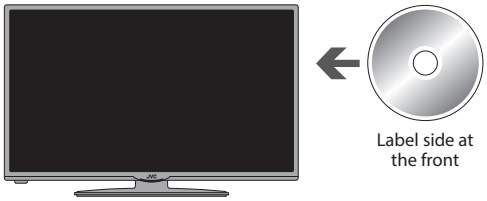
5. The radio stations are from channel position 700, you can also select them using the **P+/P-** buttons or the **NUMBER** buttons.

Chapter 6

Using the DVD Features

Using the Built-in DVD Player

1. Insert a disc with the label side facing towards the front of the TV. (CD-R, CD-RW, DVD-R, DVD-RW, CD, DVD+R, or DVD+RW) Allow 10 seconds for the player to load the disc. If you insert the disc incorrectly, an error message will be displayed.
2. After the disc is inserted, the TV will change the input source to **DVD** automatically.
3. If the DVD player does not automatically play the disc, press the ▶ button on the remote control to start playing.
4. Press the ⏏ button 3 times on the TV if you want to remove the disc.



Incorrect Disc

Check the disc was the correct way around.
Check the disc is not dirty or damaged.
Check the disc is compatible.

- Only insert 12cm discs. Do not insert or play 8cm discs; they will get stuck.
- Ensure the disc is fully ejected before removing it, or else you risk damaging the DVD player.
- If you eject a DVD and want to play it again, fully remove the disc then replace it. Do NOT push it straight back in, it may damage the DVD mechanism.

Compatible Disc Types

Disc Types	Disc Logo	Recorded Content
DVD-VIDEO (Digital Versatile Disc)	DVD VIDEO	AUDIO + VIDEO
DVD±RW (Audio/Video format or JPEG files)	RW DVD+ReWritable	AUDIO + VIDEO + JPEG
DVD±R (DVD Recordable - Audio/Video format or JPEG files)	RW DVD+R	AUDIO + VIDEO + JPEG
CD-R (CD Recordable - Audio/Video format or JPEG files)	COMPACT disc Recordable	AUDIO + VIDEO + JPEG
CD-RW (CD-Rewritable - Audio/Video format or JPEG files)	COMPACT disc Rewritable	AUDIO + VIDEO + JPEG
AUDIO-CD (Compact Disc Digital Audio)	COMPACT disc DIGITAL AUDIO	AUDIO

Supported Formats

JPEG

- Pictures encoding must comply with JPEG/ISO format.

Some recorded files may not be played due to the type and format of the disc or condition of the recording.

Region Code

Both the DVD player and the discs are coded by region. These regional codes must match in order to play the disc. If the codes do not match, the disc will not play.

The Region Number for this DVD player is described on the rear panel of the TV.

Disc Type	DVD-VIDEO
Region code	2

Basic DVD Playback Functions

Playing the DVD

Depending on the disc, a menu may appear on the TV screen once the disc has loaded. Press the ▶ (Play) button to play a DVD.
Press the II to pause playback.

Menu Playback (for DVD)

For DVD discs, the screen will display the DVD Disc Menu (Root Menu).
Press the ▶ (PLAY) button or the **OK** button to start from the highlighted content.
Press the **BACK** button to return to the Root Menu when playing the disc.

Stopping Playback

Press the ■ button once to stop. Press the ▶ (PLAY) button to resume from where you stopped. Pressing the ■ button twice to stop will remove the resume feature. The next time you play the DVD it will start from the beginning of the disc.
In order to protect the disc, press the ■ button and then press the ⏏ button on the TV to eject the disc. When the disc is ejected, hold the disc edge and remove it from the disc slot.
When not using the DVD function, please take out the disc to protect the DVD loader and the disc.

Previous / Next (for DVD / CD / Multimedia discs)

Press the ▶ button to play the last Title / Chapter / Track / Folder.
Press the ◀ button to play the next Title / Chapter / Track / Folder.

If the current track is the first one, pressing the ◀ button will restart the disc from the beginning.
If the current track is the last one, pressing the ▶ button will stop the playback.

For DVD discs, the above functions may vary due to different DVD disc's structure.

Forward / Backward (for DVD / CD / Multimedia discs)

There are 5 forwards and backwards speeds. Press the ▶▶ or ◀◀ button to toggle between the different speed options in sequence. (x 2 / x 4 / x 8 / x 16 / x 32).
Press the ▶ (PLAY) button to return to normal speed playback.
For DVD discs, when selecting backward to first title / chapter, the disc will start from the beginning.

The sound is muted during these actions.

Pause (for DVD / CD / Multimedia discs)

- Press the II button to pause; press the II button again to resume playback.

Repeat (for DVD / CD / Multimedia discs)

Press the **GREEN** button to select repeat modes.

- For CD discs, while playing in sequence, you may use the repeat playback. Repeatedly press the **GREEN** button to toggle between the different repeat functions (SHUFFLE / RANDOM / SINGLE / REPEAT ONE / REPEAT FOLDER / REPEAT OFF).
- For DVD discs, you may setup the repeat playback mode. There are 3 repeat modes, press the **GREEN** button to toggle between the different repeat functions (REPEAT CHAPTER / REPEAT TITLE / REPEAT ALL/ REPEAT OFF).

  For example.
  REPEAT CHAPTER: will repeat the current selected chapter of the film
  REPEAT TITLE: will repeat the current title playing
  REPEAT ALL: will repeat the film when it finishes

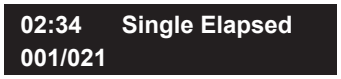
- For MP3 / JPEG discs, while playing the disc, you may use the repeat playback. Repeatedly press the **GREEN** button to toggle between the different repeat functions (SHUFFLE / RANDOM / SINGLE / REPEAT ONE / REPEAT FOLDER / REPEAT OFF).

Info (for DVD / CD)

Press the ★/◉ button to activate the on screen roll-down menu for the current Title, Chapter, Time and other information.

For DVD discs, press the ★/◉ button.

For CD discs, press the ★/◉ button.



Goto (for DVD / CD)

This function allows you to play your favourite Title / Chapter / Time. Press the ★/🔍 button. Enter your Title / Chapter / Time by pressing the **0-9** buttons or enter the playback time. Press the **OK** button to start. If the enter an invalid Title / Chapter or Time, it will not function.

For DVD discs, press the ★/🔍 button.

For CD discs, press the ★/🔍 button.

⚠

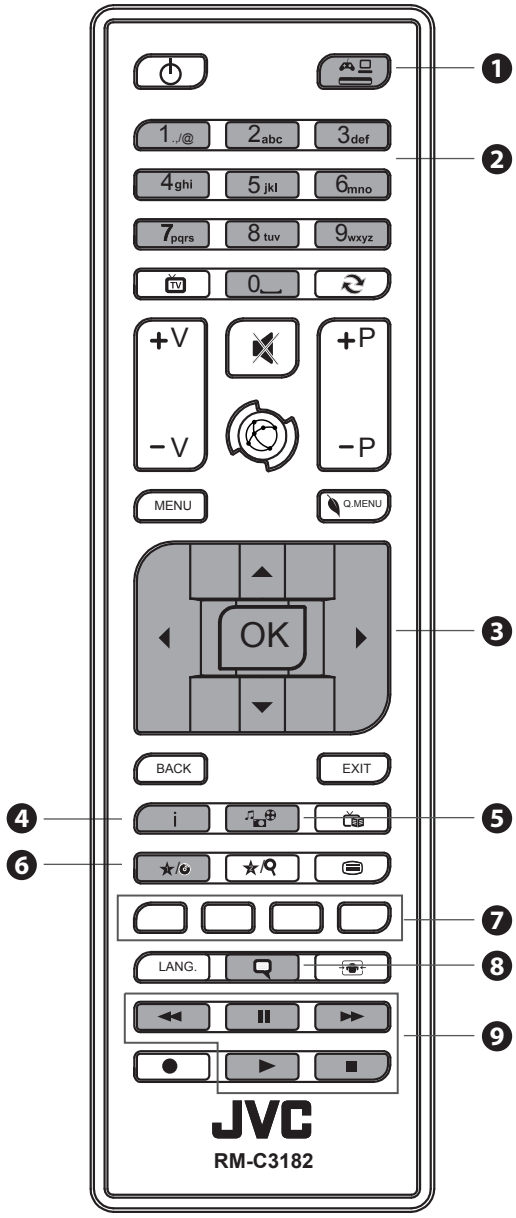
For some discs, only **Time** can be selected in the ★/🔍 function.

Zoom (for DVD)

Allows you to zoom into the picture, 2x, 3x or 4x. Then if you keep pressing the **RED** button the picture size will reduce 1/2, 1/3 then 1/4.

Press the **RED** button to select the size you want.

Overview of Remote Control Buttons for DVD Mode



1. **SOURCE**
   Press to change the source to DVD mode.
2. **0-9 Number Button**
   - Select numbered items in a DVD menus.
   - Press to directly select a chapter or title while the DVD is playing.
3. **OK / ◀▲▼▶**
   - Press **OK** to select setting in menus.
   - ◀▲▼▶ Allows you to navigate the OSD menus.
   - ◀ ▶ skip chapters when a DVD is playing.
4. **i (info)**
   Press to see:
   Title Elapsed - Title Remain - Chapter Elapsed - Chapter Remain - Display Off
5. **(Media Browser)**
   Press to select multiple angles (when available).
6. **(My button 1)**
   - Press to see the audio type and subtitle status.
7. **COLOURED BUTTONS**
   RED
   To zoom in and out of the picture.
   GREEN
   Repeat Chapter, Title or All in DVD mode.
   YELLOW
   Selects the Root menu of the DVD playing.
   BLUE
   Selects the Title menu if available.
8. **(Subtitles)**
   Press to switch subtitles on/off and between the available languages.
9. **PLAYBACK buttons**
   - ▶ plays the DVD.
     ❚❚ pauses the DVD
   - ■ stops the DVD.
   - ◀◀ ▶▶ searches forwards and backwards when viewing a DVD in play mode.
     If the DVD is paused, press the ◀◀ ▶▶ button to play back in slow motion. 1/2 - 1/4 - 1/8 - 1/16 speed.

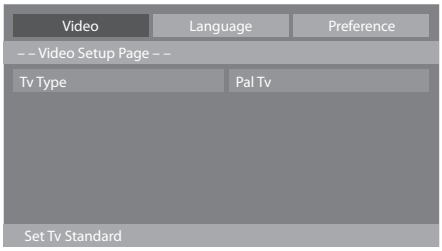
Using the DVD General Setup Menus

In the DVD mode, press the ★/◉ button on the remote control the DVD setup menu will appear. Press the ◀▶ buttons to select the **VIDEO - LANGUAGE - PREFERENCE** menu, and then press the ▲▼ buttons to select the menu options. Press the ★/◉ button to exit the menu.

In Setup mode, the disc playback function will not be available.

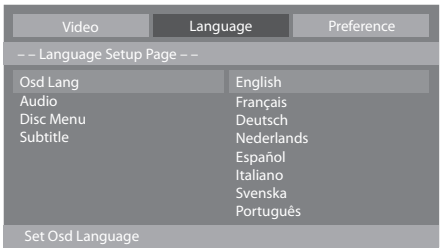
Video Menu

TV Type	Press the ◀▶ buttons to select PAL TV.



Language Menu

OSD Lang	Select the OSD language for the DVD menus.
Audio	Select the Audio language for the DVD if the feature is available on the disc.
Disc Menu	Select the Disc Menu language for the DVD if the feature is available on the disc.
Subtitle	Select the Subtitle language for the DVD if the feature is available on the disc.



Preference Menu

Default	To reset all of your DVD settings select RESET.
Downmix	Select SURROUND or STEREO.
Parental	Set a parental guide from 1 to 8. This feature may not be available on all DVD discs.
Password	Select password to change the DVD password. The default password is '0000'.
SPDIF OUTPUT	Select the SPDIF Output to RAW or PCM.

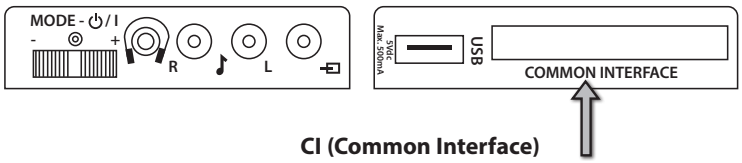
CI (Common Interface) (DTV Mode)

The common interface allows the use of a Common Access Module to enable you to view scrambled (pay-per-view) services. These services are provided by TopUp TV (UK only) and others. The Common Access Module and viewing card can be obtained from the service provider.

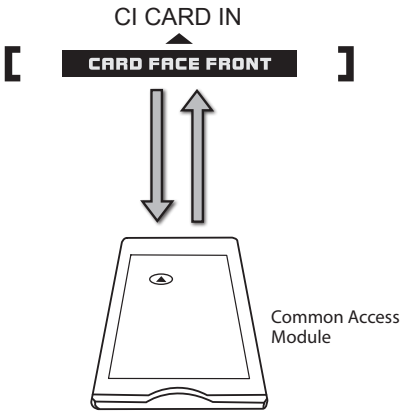
Do not repeatedly insert or remove the Common Access Module as this may damage the interface and cause a malfunction.

This feature is not available in all countries.

Rear Left Side View of TV



CI (Common Interface)
Allows the Common Access Module to be inserted and access the content that has been encrypted.



To insert the Common Access Module

1. Before you insert the Common Access Module, ensure that the TV is switched off and the viewing card is inserted ***in accordance with the Service Provider's instructions***.
2. Insert the Common Access Module into the slot. Flip it to the other side and try again if you feel resistance.
3. Switch the TV on.

To remove the Common Access Module

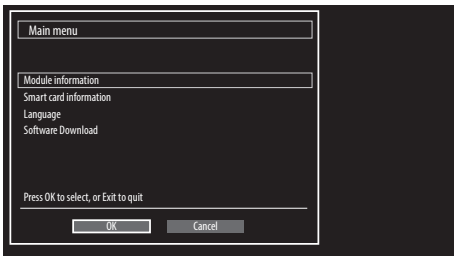
1. Before you remove the Common Access Module, ensure that the TV is switched off at the mains.
2. Pull the Common Access Module from the slot.
3. Switch the TV on.

To view the module information

1. Press the **MENU** button and then press the ◀▶ buttons to select the **SETTINGS** and then press the **OK** button.

2. Press the ▲▼ buttons to select **CONDITIONAL ACCESS** and then press the **OK** button.

3. The CONDITIONAL ACCESS menu will pop up.
4. Press the **OK** to view the MAIN MENU of the common interface card, menu items my differ depending on the type of card.
5. Press the **BACK** button to exit the menu.

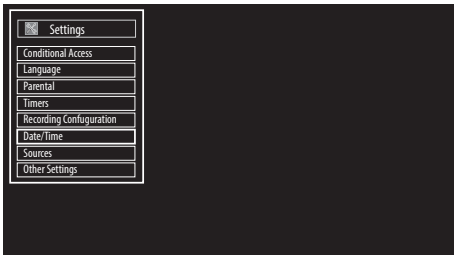


This screen is for illustration only.

Time Settings

The time and date are set automatically. You can manually change the time zone if required.

1. Press the **MENU** button and then press the ◀▶ buttons to select the **SETTINGS** and then press the **OK** button. The SETTINGS menu will be displayed.
2. Press the ▲▼ buttons to select DATE/TIME and then press the **OK** button.

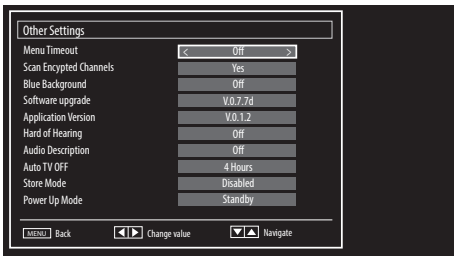


3. Press the ▲▼ buttons to select TIME SETTING MODE and then press the ◀▶ buttons to select MANUAL.
4. Press the ▲▼ buttons to select TIME ZONE then press the ◀▶ buttons to select your desired time zone.
5. Press the **MENU** button to exit the menu.

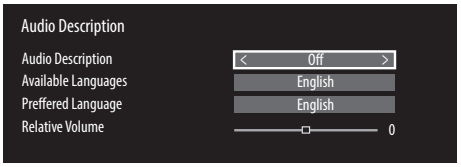
Other Settings

The Other Settings menu has more advanced setting that you can adjust, these are not everyday setting.

1. Press the **MENU** button and then press the ◀▶ buttons to select the **SETTINGS** and then press the **OK** button. The SETTINGS menu will be displayed.
2. Press the ▲▼ buttons to select OTHER SETTINGS and then press the **OK** button.



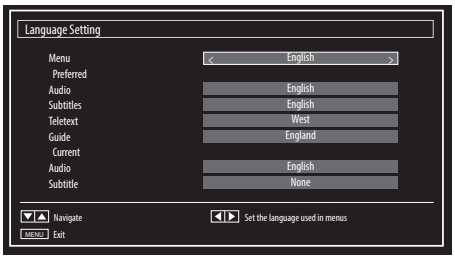
Menu Timeout	You can select a time that your TV menus will be displayed. If you select OFF the menu will remain on the screen until you press a button to remove it. OFF - 15 Sec - 30 Sec - 60 Sec.
Scan Encrypted Channels	To can select your TV to scan encrypted channels or not. Select YES or NO.
Blue Background	You can set your TV to show a blue screen is not signal is detected. Select ON or OFF.
Software upgrade	Select SOFTWARE UPGRADE then press **OK**. The Upgrade Options menu will appear. Select OK then press **OK** to start searching for new software. This may take a while. If you want to cancel the search press **BACK** then select YES and press **OK**.
Application Version	No function, this shows the latest application version code.
Hard of Hearing	Hard of Hearing will enhance the dialogue to make it easier to hear. Select ON or OFF.
Audio Description	Audio description describes the action when people aren't speaking. • Select AUDIO DESCRIPTION then press the **OK** button. • If any available languages are available then press the ◀▶ to select your desired language. • Press the ◀▶ to select your preferred language. • Press the ◀▶ to set your desired volume of the audio description.
Auto TV OFF	Select a time that you would like your TV to switch off if no buttons are pressed for a certain amount of time. OFF - 1 HOUR - 2 HOURS - 3 HOURS - 4 HOURS - 5 HOURS - 6 HOURS
Store Mode	Press the ◀▶ to enable or disable store mode. Store mode will brighten the display.
Power Up Mode	Press the ◀▶ to select STANDBY or LAST STATE. If you choose LAST STATE, and switch your TV off and back on again at the mains it will switch on at its last state. Its best to leave it as STANDBY, otherwise your TV may switch on after a power cut.



Language Settings

Allows you to select your desired language settings for your TV.

1. Press the **MENU** button and then press the ◀▶ buttons to select the **SETTINGS** and then press the **OK** button. The SETTINGS menu will be displayed.
2. Press the ▲▼ buttons to select LANGUAGE and then press the **OK** button.

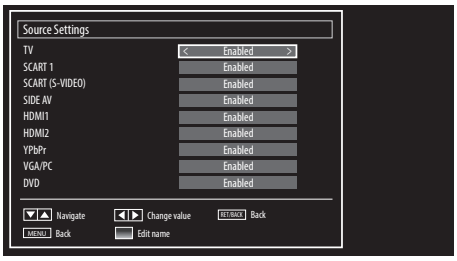


Menu	Press the ◀▶ buttons to select your desired menu language.
Preferred	
Audio	Press the ◀▶ buttons to select your preferred audio language.
Subtitle	Press the ◀▶ buttons to select your preferred subtitle language.
Teletext	Press the ◀▶ buttons to select your preferred teletext language.
Guide	Press the ◀▶ buttons to select your preferred guide language.
Current	
Audio	Shows the current audio language, this may not be able to be changed.
Subtitle	Shows the current subtitle language. Press the ◀▶ buttons to select a different subtitle language.

Sources

In the SOURCE SETTING menu you can decide to switch each input source on or off, by selecting ENABLED or DISABLED.

1. Press the **MENU** button and then press the ◀▶ buttons to select the **SETTINGS** and then press the **OK** button. The SETTINGS menu will be displayed.
2. Press the ▲▼ buttons to select SOURCES and then press the **OK** button.
3. Press the ▲▼ buttons to select a source then press the ◀▶ buttons to select ENABLED or DISABLED.



Resetting your TV

Restores all settings to the factory defaults and will delete all channels you currently have stored.

1. Press the **MENU** button and then press the ◀▶ buttons to select the **INSTALL AND RETUNE** and then press the **OK** button. The **INSTALL AND RETUNE** menu will be displayed.

2. Press the ▲▼ buttons to select FIRST TIME INSTALLATION and then press the **OK** button.

3. Press the ▲▼ buttons to select YES the press **OK**. The screen will turn black and then in a few seconds you will see the FIRST TIME INSTALLATION MENU.

All channel and user settings will be lost and the TV will revert to "First Time Installation".

Parental Settings

To access the **PARENTAL SETTINGS** menu options, you must enter the password. Enter the default password "**0000**" for first time use. To change the password, select SET PIN.

1. Press the **MENU** button and then press the ◀▶ buttons to select the **SETTINGS** and then press the **OK** button. The SETTINGS menu will be displayed.

2. Press the ▲▼ buttons to select PARENTAL and then press the **OK** button.

3. Press the **NUMBER** buttons to enter your PIN number. The PARENTAL SETTINGS menu will appear on screen.

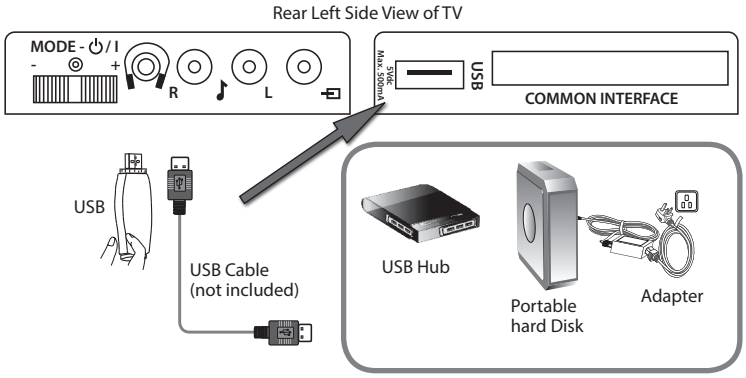
Menu Lock	You can lock all of the menus or just the installation menus. Press the ◀▶ buttons to select ALL MENUS - INSTALLATION MENUS - OFF. If you choose to lock the menus you will have to enter your PIN number to enter the selected menu.
Child Lock	The child lock will prevent the buttons working on your TV, to stop children from accidentally changing any of the settings. Press the ◀▶ buttons to set the child lock to ON or OFF.
Set PIN	• Press the ▲▼ buttons to select SET PIN. • Press **OK**. • Press the **NUMBER** buttons to enter and NEW PIN • Press the **NUMBER** buttons to CONFIRM the new pin. The words 'PIN CHANGED' will briefly appear on the screen. Don't forget to make a note of your new PIN number.

The default password is "**0000**".
If you change the password, be sure to remember the new password!

Connecting a USB Storage Device

You must use a USB storage device with a minimum of 2GB of storage space.

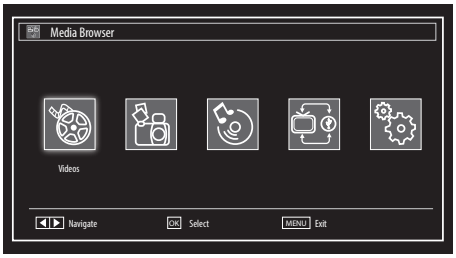
1. Switch off the TV before connecting any USB storage device.
2. Connect your USB storage device to the USB port of your TV. If your USB device is powered by the main, plug the connected devices into the mains socket and switch on.
3. Press the ⏻ button on the remote control to turn on your TV.
4. Press the button on the remote control to enter MEDIA BROWSER mode.



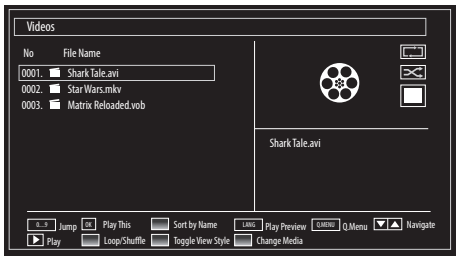
- Some versions of portable hard disk may require more power than the TV USB socket can provide. To ensure correct operation please use the power adapter for that device.
- If a USB hub is used, make sure its mains adapter is connected to the mains supply as the total current consumption may exceed 500mA.
- The file system only supports FAT32 format.
- If you want to store the video streaming of a DTV programme, the transfer rate of the USB storage device must not be less than 5MB/s, otherwise the picture and sound of the programme will be affected and a warning statement will be shown on the screen. If this happens, please upgrade your USB storage device.
- The TV screen will be blank temporarily as it will take time to start up and stabilise the connected hard disk. This is normal and the starting time may vary depending on the brand and the memory size of the connected hard disk.
- Disconnect the USB storage device if it is not in use.

Viewing Videos

1. Press the button on the remote control. The MEDIA BROWSER will be displayed.

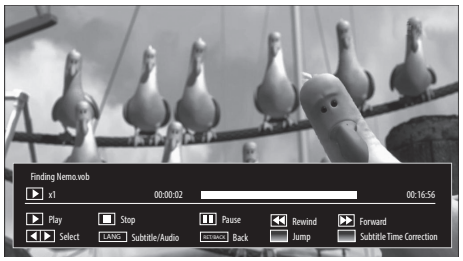


2. Press the ◀▶ buttons to select **VIDEOS** and then press the **OK** button.



- **NUMBER Buttons** - Jump to a video in the list.
- **OK Button** - Plays the selected video.
- **PLAY button** - Plays the selected video.
- **GREEN button** - Repeats or shuffles your videos.
- **YELLOW button** - Changes the menu style.
- **LANG button** - Plays a preview of the selected video.
- **BLUE button** - Changes to another media.

3. Press the ▲▼ buttons to select the video you wish to play, then press the **OK** button. The video will start to play.

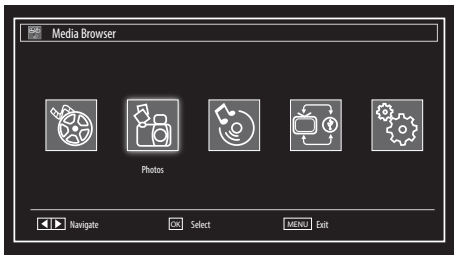


- ◀▶ **buttons** - Plays the next or previous video
- ■ **button** - Stops the video.
- **LANG button** - Shows the Subtitle/Audio menu
- ❚❚ **button** - Pauses the video, press again to resume playback.
- **BACK button** - Returns back to the video menu.
- ◀◀▶▶ **buttons** - Rewind and fast forward the video 2x - 4x - 8x.
- **GREEN button** - Press to jump to a selected time in your video.
- **YELLOW button** - Press to see the SUBTITLE TIME CORRECTION menu, where you can adjust the time delay of the subtitles to match the action in the video.

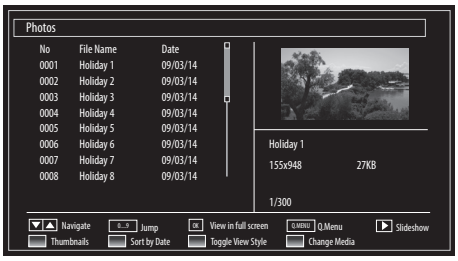
- Supported file formats: MPEG1 & 2, VOB, and MKV.

Viewing Photos

1. Press the button on the remote control. The MEDIA BROWSER will be displayed.



2. Press the ◀▶ buttons to select **PHOTOS** and then press the **OK** button.



- **NUMBER Buttons** - Jump to a photo in the list.
- **OK Button** - Press to view the selected photo on the full screen.
- **PLAY button** - Plays a slide show of all the photos in the list.
- **GREEN button** - Shows thumbnail images of the photos in the list.
- **RED button** - Sorts the photos by date.
- **YELLOW button** - Changes the menu style.
- **BLUE button** - Changes to another media.

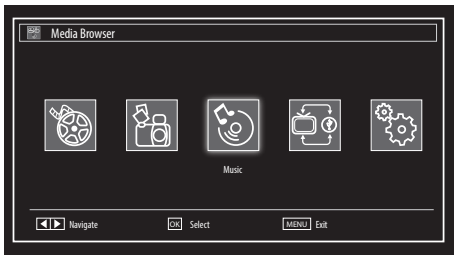
3. Press the ▲▼ buttons to select the photo you wish to view, then press the **OK** button. The photo will now be displayed on the full screen.

- **PLAY button** - Plays a slide show of all the photos in the list.
- **❚❚ button** - Pauses the slide show.
- **BACK button** - Returns back to the photo menu.
- **RED button** - Zooms into the photo 150% - 200% - 300% - 400% - 50%. When zoomed in press the ▲▼ ◀▶ buttons to move around the photo.
- **▲▼ button** - Press to rotate the photo.
- **◀▶ button** - Press to see the next or previous photo in the list.
- **i button** - Press to see the information bar.

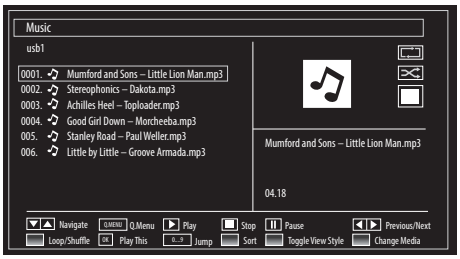
- Supported file formats: JPEG and BMP.

Listening to Music

1. Press the button on the remote control. The MEDIA BROWSER will be displayed.



2. Press the ◀▶ buttons to select **Music** and then press the **OK** button.

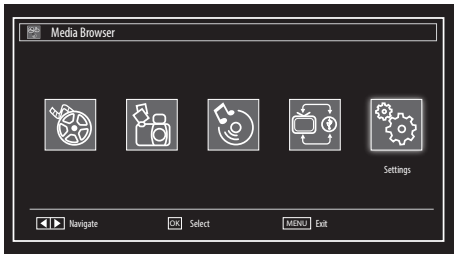


- **NUMBER Buttons** - Jump to a track in the list.
- **OK Button** - Press to play the selected track.
- **PLAY button** - Press to play the selected track.
- **GREEN button** - Press to repeat or shuffle the tracks.
- **RED button** - Sorts the tracks by Title - Artist - Album.
- **YELLOW button** - Changes the menu style.
- **BLUE button** - Changes to another media.
- **button** - Pauses the track, press again to resume playback.
- **button** - Stops the track.

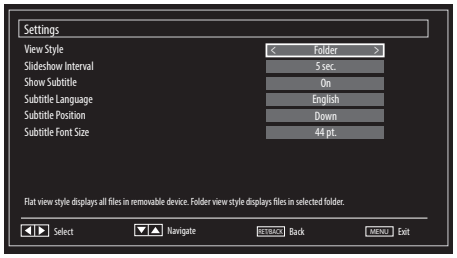
- Supported file formats: MP3 and WMA /ASF.

Media Browser Settings

1. Press the button on the remote control. The MEDIA BROWSER will be displayed.
2. Press the ◀▶ buttons to select **Settings** and then press the **OK** button.



In the SETTINGS menu you can adjust the settings for your slideshows and subtile settings for when you are watching a video.

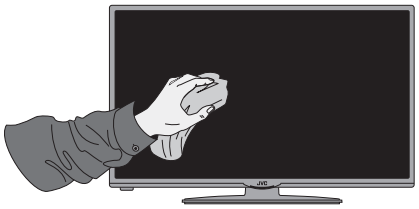


Maintenance

Careful and regular cleaning can prolong the life of your TV.

Be sure to press the ⏻ button on the remote control and disconnect the mains cable from the mains socket before any cleaning.

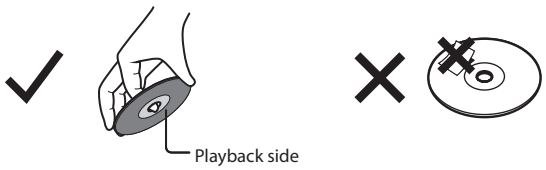
1. Use a soft dry cloth to wipe away the dust from the screen and surfaces.
2. If the surfaces are extremely dirty, clean the TV with a damp cloth.
3. Ensure there is no excess water on the screen. Allow any water or dampness to evaporate before switching the TV on.



Never use alcohol, benzine, paint-thinner, cleaning fluid or other chemicals. Do not use compressed air to remove dust.

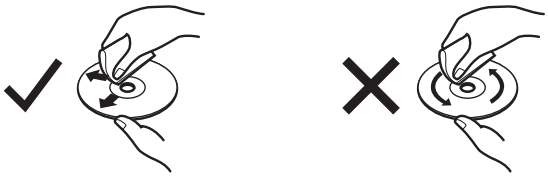
Handling Discs

- Do not touch the playback side of the disc.
- Do not attach paper or tape to the disc.



Cleaning Discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.



- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray. They may damage the disc.

Storing Discs

- Do not store discs in places subjected to direct sunlight or near heat sources.
- Do not store discs in places subjected to moisture and dust such as a bathroom or near a humidifier.
- Storing discs vertically in a case, stacking discs or placing objects on discs outside of their cases may cause warping.

Hints and Tips

The following table contains various hints and tips to get the best performance from your TV. If you require additional assistance please call our UK Call Centre on **0344 561 1234**. Our UK Customer Contact Centre is open 24/7.

The TV does not operate properly.	
The TV does not respond when pressing any buttons	• The TV may freeze up during use. Switch the TV off at the mains for a few minutes. Switch on again and try to operate it again as usual.
TV cannot be switched on	• Check that the TV is connected to the mains supply and switched on. • Make sure all connected AV devices are switched off before switching on your TV.
The remote control does not work	• Check to see if there are any objects between the TV and the remote control causing an obstruction. Ensure that you are pointing the remote control directly at the TV. • Ensure that the batteries are installed with the correct polarity (+ to +, - to -). • Install new batteries.
Power is suddenly turned off	• Check the TV has power to it. The mains supply maybe interrupted. • Check if the sleep timer is set. • Check whether the Auto Standby is activated.

The video function does not work.	
No Picture & No Sound	• Check whether the TV is switched on. • Try another channel. The problem may be caused by the broadcaster.
Picture appears slowly after switching on	• This is normal, the image is muted during the TV startup process. Please contact your service centre, if the picture has not appeared after five minutes.
No or poor colour or poor picture	• Adjust the settings in the **PICTURE** menu. • Try another channel. The problem may be caused by the broadcaster. • Check if the video cables are connected properly.
Horizontal / Vertical bar or picture shaking	• Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	• Station or cable channel may be experiencing problems, tune to another station. • Station signal is weak, reposition the aerial for better reception. • Check for sources of possible interference.
Lines or streaks in pictures	• Check aerial (Change the position of the aerial.)
No pictures when connecting HDMI	• Check if the input source is **HDMI or HDMI2**.
Picture appears in wrong ratio	• Adjust the **Aspect Ratio**. Press the (**ASPECT)** button on the remote control.

The audio function does not work.	
Picture OK but no sound	• Press the **VOL** + / – buttons. • Sound muted? Press the button. • Try another channel. The problem may be caused by the broadcaster.
No output from one of the speakers	• Adjust the **Balance** settings in the **SOUND** menu.
Unusual sound from inside the TV	• A change in ambient humidity or temperature may result in an unusual noise when the TV is switched on or off and does not indicate a fault with the TV.
No sound when connecting HDMI	• Check if the input source is **HDMI1 or HDMI2**.
Audio noise	• Keep the RF coaxial cable away from other connected cables.

Password	
Lost password	• Select the **Set Password** setting in the **LOCK** menu, then enter the following master password "**4725**". The master password clears your previous password and allows you to enter a new password.

There is a problem in PC mode.	
The signal is out of range (Invalid format)	• Adjust the resolution, horizontal frequency, or vertical frequency.
Vertical bar or stripe on background & horizontal noise & incorrect position	• Use Auto configure or adjust clock, phase, or H/V position.
Screen colour is unstable or shows a single colour	• Check the signal cable. • Reinstall the PC video card.

The DVD function does not work.	
DVD will not read the disc	• Check if the disc is correctly inserted. • Check that the disc is clean. • Check if there is any obvious damage to the disc. • Try to play the disc on another DVD player to check whether it has content.
DVD does not have the signal	• Check if the TV is in DVD mode.

FAQs (Frequently Asked Questions)	
Why have I lost some / all of my channels?	• It happens sometimes if you have a weak signal. Usually it just means you'll need to re-tune your TV. Don't worry, it is easy to do. And once you've done it, you should get all the Freeview channels available to you. If problems persist you may need to get your aerial checked. Talk to your retailer or contact your local aerial installer.
Why do I get 'blocking' on my digital picture?	• In most cases, blocking is caused by a reception problem – either the signal is too weak or there is some kind of interference. Talk to your retailer or contact your local aerial installer. • Blocking can also be caused by a digital signal that is too strong. If you are still experiencing blocking and the signal is strong, consult your local aerial installer for advice.
Can I watch Freeview using a portable set-top aerial?	• Some, but only a few, homes may be able to use a set top aerial. However, for a much better reception, we strongly recommend that you use a rooftop aerial. • If you do not have access to a rooftop aerial – for example, if you rent a flat and the aerial is the responsibility of your landlord, or if you're using a second TV in the bedroom and don't want the hassle and expense of using extension cables, a set top aerial may be your only option.
What type of aerial do I need?	• If you are installing a new aerial, we recommend a wideband rooftop aerial rather than a loft aerial. Loft aerials generally receive a weaker digital signal and are more likely to get interference from other electrical devices at home. We suggest you have an aerial survey done before getting an aerial upgrade. • Talk to your retailer or contact your local aerial installer.

Remote Control Codes

Sky Codes

The code for controlling your TV using a Sky Remote Control is **0065.** For instruction on how to use the code see your Sky instruction manual.

Virgin Media Codes (TiVo box)

The codes for controlling your TV using a Virgin Media Remote Control are **0044, 0049, 0101, 0107, 0125, 0152, 0166, 0379, 0654.** For instruction on how to use the code see your Virgin Media instruction manual.

BT Vision

The codes for controlling your TV using a BT Vision Remote Control are **0000, 0019, 0725, 0669, 0016, 0152, 0184, 0197, 0198, 0225, 0244, 0324, 0325, 0339, 0319.** For instruction on how to use the code see your BT Vision instruction manual.

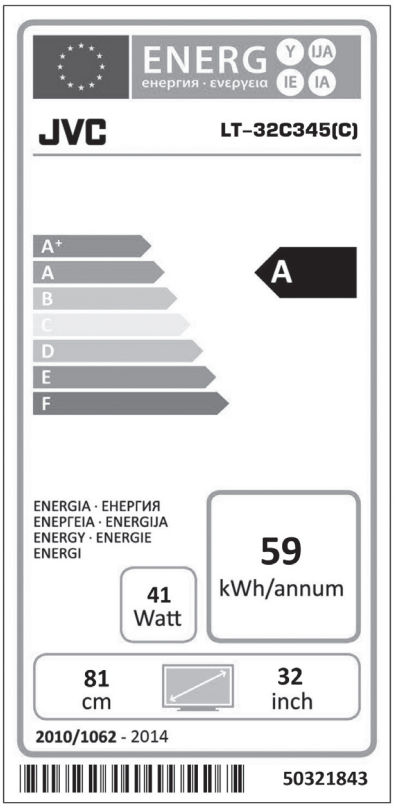
Product Fiche and Specifications

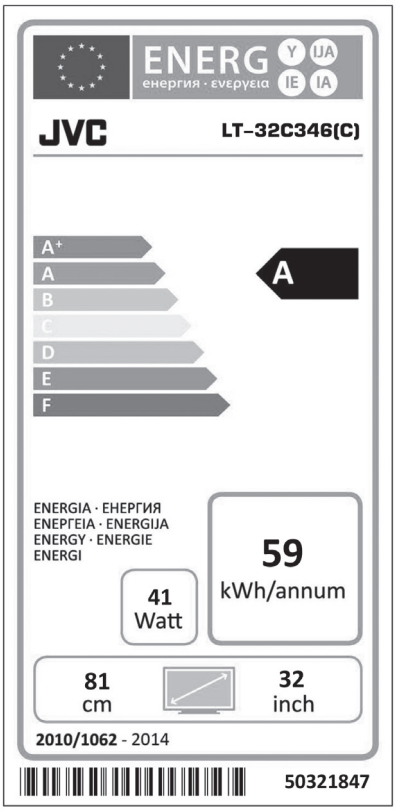
Brand	**JVC**
Model	**LT-32C345(C) (Black) / LT-32C346(C) (White)**
Energy Efficiency Class	A
Screen Size (measured diagonally)	32" - 81cm
Power Consumption (In HOME mode)	41W
Average Annual Energy Consumption **	59 kWh / annum
Standby Power Consumption	0.5W
Display Resolution	1366 pixels (horizontal) x 768 pixels (vertical)
Panel System	32 inch LED Panel
Television System	PAL I / BG / DK SECAM I / BG / DK DVBT (VIDEO: MPEG-2 MP@ML, SOUND: MPEG-1 LAYER 1/2, MPEG-2 LAYER 2)
Brightness	300 cd/m^2
Contrast Ratio	4000 : 1
Power Source	220-240V ~50Hz
Operating Temperature	0°C – 40°C
Operating Humidity	80% (max)
Mercury Content (mg)	X
Presence of Lead	√*
Reference Period	2010/1062 - 2014
Speaker Power	2 x 6W
Dimension(W x H x D) with base	735(W) x 478(H) x 185(D)
Weight (Net)	6.5kg
Inputs / Output	
SCART (S-VIDEO)	1
HDMI	2
PC-RGB (VGA)	1
SIDE AV (L & R)	1
YPbPr via VGA	1
Common Interface	1
USB	1
ANT. (Aerial socket)	1
SPDIF (Coaxial)	1
Headphone	1

Features and specifications are subject to change without prior notice.

*This television contains lead in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.

**Energy consumption 59 kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.





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European representative of the manufacturer is:
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